# The CHEMIST AND DRUGGIST

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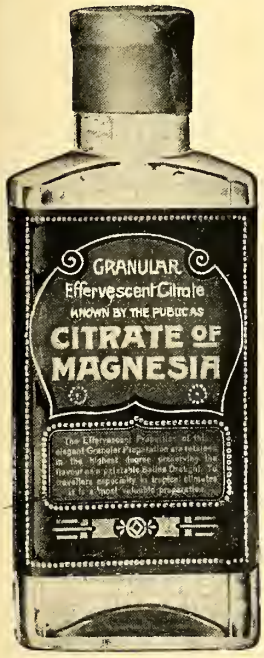

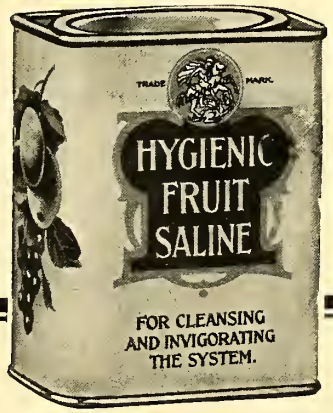


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**According to Prof. C. von NOORDEN, University of Vienna**

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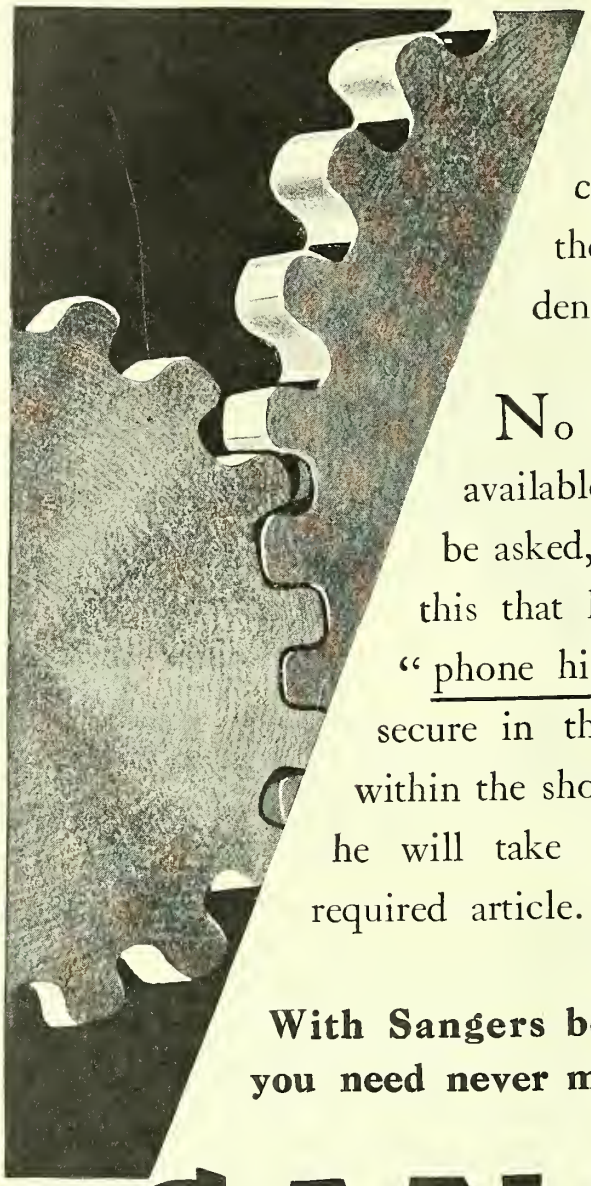

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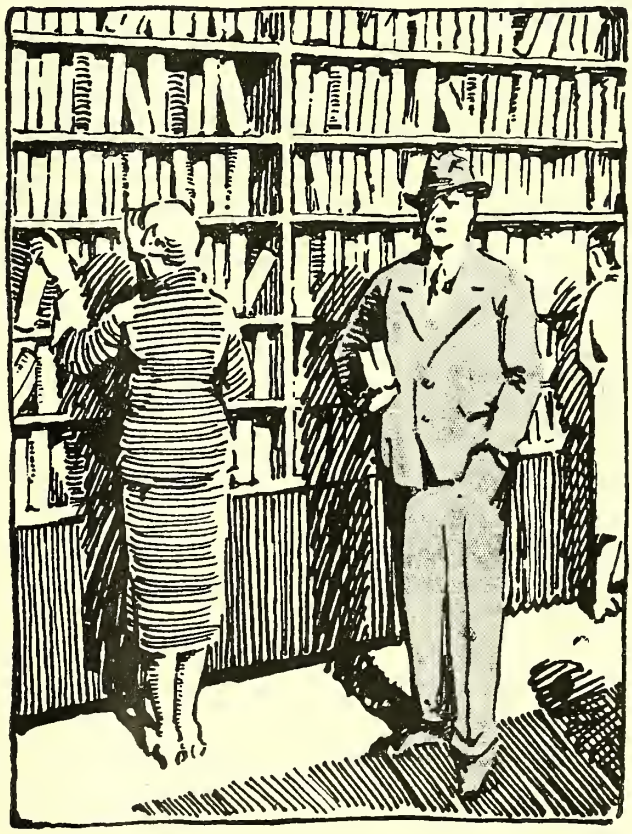

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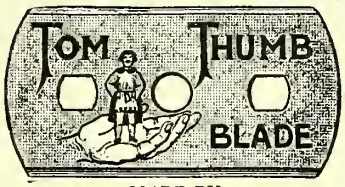


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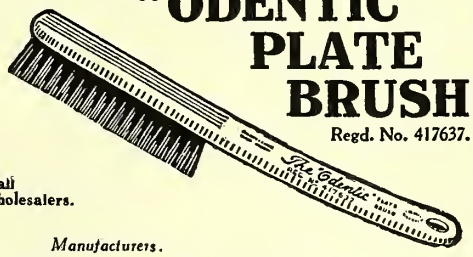
Regd. No. 417637.



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W. R. Speer & Son (EST. 100 YEARS)

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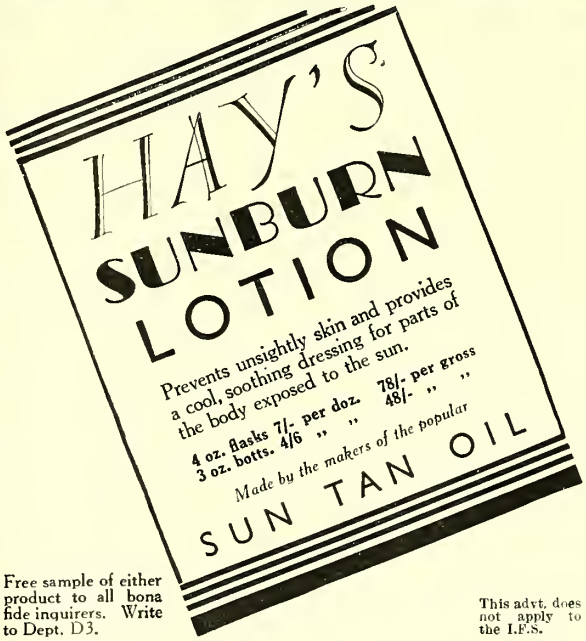


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This advt. does not apply to the I.F.S.

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SELLING AIDS.

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750 perforations to every roll.

No dirty edges, completely wrapped and sealed.

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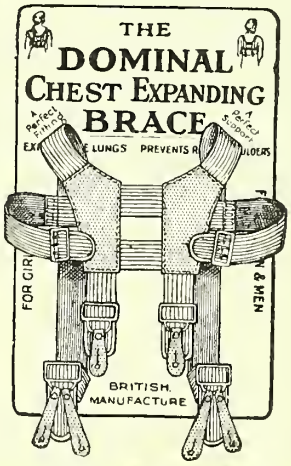


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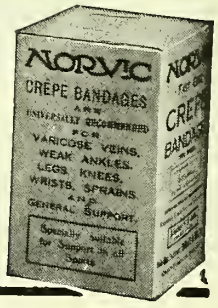
*From leading wholesalers.*

Sole manufacturers: Grout & Co. Ltd. 35 Wood Street, London, E.C.2.



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## ...and they're off your shelves!

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*Brilliantine* 8/- doz.
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GUARANTEED DAILY SERVICE

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We specialise in processing paper films, and also provide a perfect service from celluloid films.

WE WANT AGENTS ALL OVER GREAT BRITAIN FOR "GRANVILLE" FILMS, THE *SURE* WEAPON AGAINST PRICE-CUTTERS.

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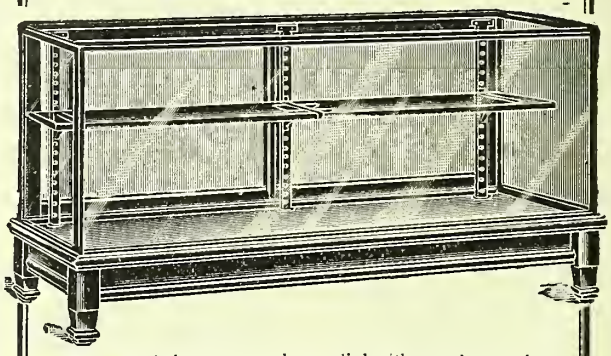

This range of showcases can be supplied with an oak or mahogany frame. The front, sides and top are glazed with new first quality drawn plate glass, ¼" thick, and there are two glass sliding doors at back on easy-running roller bearings. The interior of the showcase is fitted with standard bar and adjustable brackets and one row of plate glass shelves, 12" wide × ¼" thick, polished edges. The bottom of the case has a polished oak ply floor and the legs are fitted with adjustable metal feet.

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**£6 : 15 : 0**

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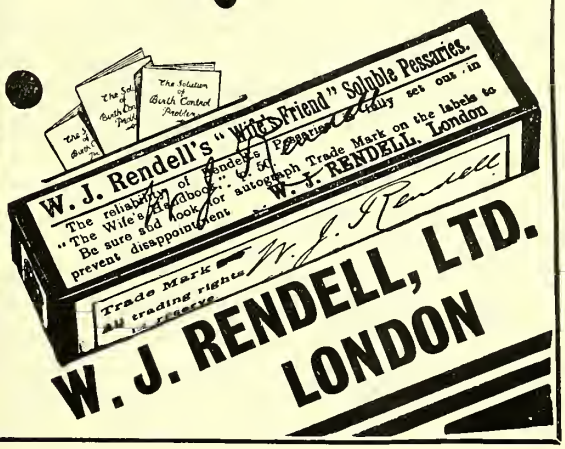


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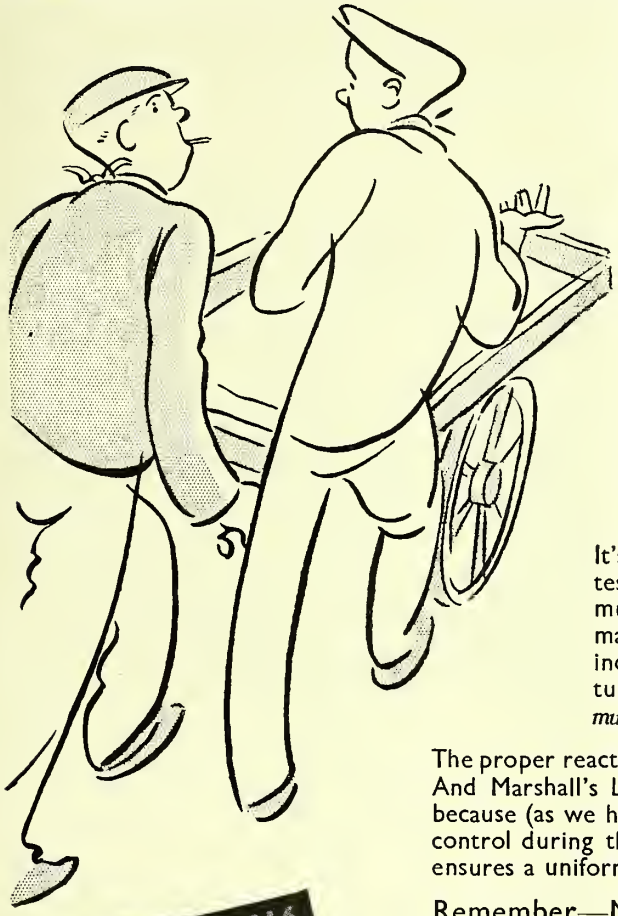

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***"Well, what about it?"***

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It's all very well to say that if a bottle of Lysol is tested and found to be slightly alkaline it doesn't much matter. That's perfectly true—but what does matter is the fact that even a slight alkalinity indicates the absence of proper control in manufacture. Which means that another bottle may be *much more* alkaline.

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PLAIN and BORIC.

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| 2 in. wide | 8½d. each | 6/3 doz. |
| 4 " | 1/1 " | 9/4 " |
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BAKELITE MOULDINGS
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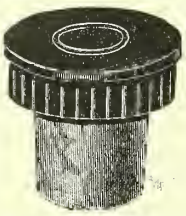

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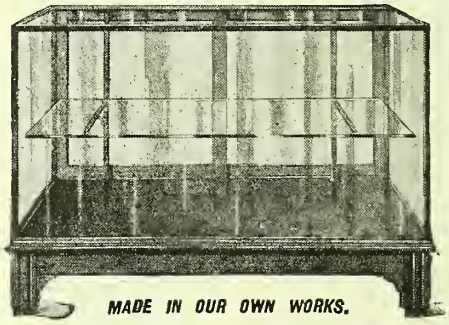

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OF

# THE CHEMIST AND DRUGGIST

## will be published on June 30, 1934

It will contain in addition to the usual advertisements, Supplements printed in Two-colour Letterpress—Black and Red and Black and Green—on Buff imitation art paper. Half-tone and line blocks print perfectly on this paper.

The Proprietary Section in this Issue is reserved for announcements regarding medicinal proprietary articles, branded food products, and specific trade accessories of recognised merit.

Advertisers wishing to avail themselves of special announcements in these attractive forms are requested to communicate promptly with:

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The malt extract is prepared from the finest English malted barley.

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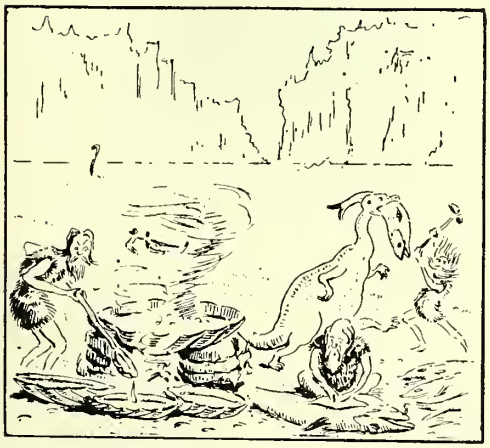
Rich in Vitamins A, B and D



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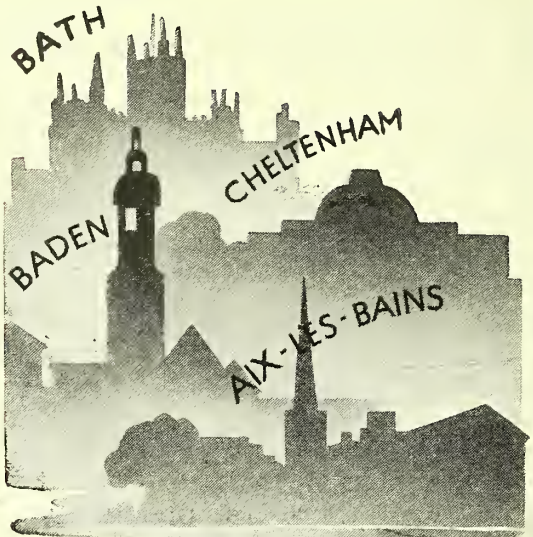


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| 6 DOZ. | - - - | 4/- doz. | |
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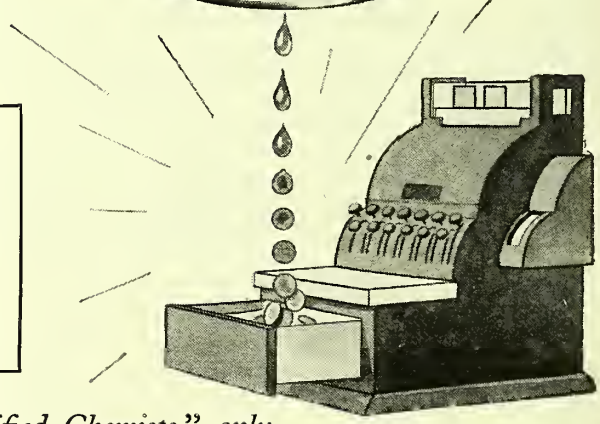
| 1/- SIZE | | 8/- DOZ. | |
| 3 DOZ. | - - - | 7/6 doz. | |



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**A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades**

*The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions*

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# News of the Week

### Merchandise Marks Act—Thermometers

Under the Merchandise Marks (Imported Goods) No. 5 Order, 1929, Amendment Order, 1934, the provisions of paragraph (*a*) of Article 4 of the No. 5 Order, 1929, is amended by the addition thereto of the following proviso:—

Provided also that it shall be a sufficient compliance with this Order if, in the case of any mounted thermometer, the indication of origin is stamped, printed, impressed, stencilled or branded in a contrasting colour on the front of the scale or mount.

### British Standards Institution

The Chemical Divisional Council of the British Standards Institution has decided to adopt 20° C. (international temperature scale) as the standard temperature for British standard volumetric glassware. A brief account of the considerations which led to the decision are given in Report No. 554 (1934), which can be obtained from the British Standards Institution, Publications Department, 28 Victoria Street, London, S.W.1, price 2s. 2d. post free.

The British Standards Institution has just issued a British standard technique for determining the Rideal-Walker coefficient of disinfectants which is recommended for general adoption by all who purchase and supply disinfectant on the basis of a Rideal-Walker coefficient. The Rideal-Walker method of comparing disinfectants was first published in 1903. Since then modifications have been suggested in the procedure, not only by the authors of the test but also by other workers, with the result that at the present moment there are several variants of the method in use. The object of the standardised technique is to ensure that the buyer and the seller, when a particular Rideal-Walker coefficient is part of the requirements for the disinfectant, both use precisely the same method when determining this coefficient on samples of bulk deliveries. It should be clearly understood that the publication of this British standard technique implies no endorsement or otherwise of its value as an indication of the disinfectant potency of the preparation tested, in comparison with that of phenol, under practical conditions. Copies of the specification, No. 541 (1934), can be obtained from the British Standards Institution, Publications Department, 28 Victoria Street, London, S.W.1, price 2s. 2d. post free.

### Medical Exhibition at Manchester

A Medical Exhibition, organised by the managers of the London Medical Exhibitions (1905-34) and other exhibitions, was opened at the Free Trade Hall, Manchester, on June 4, and closes on June 8. The Exhibition was declared open by Professor F. E. Tylecote, of Manchester University, who commended it as the equivalent of post-graduate study to those interested. The principal exhibitors (with a brief indication of the nature of their exhibits) are:—

ANADIN, LTD.; ANGLO-AMERICAN PHARMACEUTICAL CO., LTD. (Huxley's Sal Antisepticus, other specialities); THE ANGIER CHEMICAL CO., LTD.; ARNOLD & SONS (surgical appliances); BAILLIERE, TINDALL & COX (medical books); BAYER PRODUCTS, LTD. (atebrin, evipan); BEIERSDORF, LTD. (eucerinum, leucoplast); BISODOL, LTD.; BOOTS PURE DRUG CO., LTD. (acriflavine, bismostab, hepastab, livron, stabilarsan, vitamalt); F. C. CALVERT & CO., LTD. (carbolic acid, lysol and their preparations); CONTINENTAL LABORATORIES, LTD. (lactobyl, crinex); COW & GATE, LTD. (milk foods); CUXSON, GERRARD & CO., LTD. (eupinal, Cellaband); EVANS SONS LESCHER & WEBB, LTD. (antitoxins, Ephregel nasal jelly, hepatex, Medi-

soaps, varixol); FASSETT & JOHNSON, LTD. (proprietaries); GENATOSAN, LTD. (genasprin, Sanatogen); HOUGH, HOSEASON & CO., LTD. (Hozontene food, Nalgo, Lecitone elixir); ILFORD, LTD. (photographic films and papers); KAYLENE, LTD.; KOLYNOS, INC. (dental preparations); H. K. LEWIS & CO., LTD. (medical books); MAY & BAKER, LTD. (stovarsol, gardenal, soneryl, ephedrine, neptal, scuroform); OPPENHEIMER, SON & CO., LTD. (alphidine, palatinoids, Roboleine); PARKE, DAVIS & CO. (dicalcium phosphate, eschatin, Haliverol, pitocin, pitressin, theelin); PETROLAGAR LABORATORIES, LTD.; RECKITT & SONS, LTD. (dettol); SAVORY & MOORE, LTD. (incorporating JOHN BELL & CROYDEN, LTD.); T. J. SMITH & NEPHEW, LTD. (Elastocrêpe wrist straps, Elastoplast corn rings, Elastoplast doctor's sets, Cellona bandages); EDWARD TAYLOR, LTD. (medical and surgical plasters, Flexoplast); JAMES WOOLLEY, SONS & CO., LTD. (pharmaceutical products, surgical instruments).

### Chemists' Sickness and Provident Society

The sixth annual meeting of the Chemists' Sickness and Provident Society was held at 4 and 5 Queen Square, London, W.C.1, on May 30, Mr. H. H. Marshall in the chair. The chairman, in moving the adoption of the report, said he was sure the Executive would agree with him that it was a very satisfactory report; 110 new members had been enrolled and the total membership was 754 (men's section 639, women's section 115). The amount of sickness benefit paid had decreased in both sections in spite of an increased membership. The total amount paid was £1,136 10s., compared with £1,312 10s. for 1932. The total amount of sick pay received by members since April 1929, when the first claim was paid, was £4,047 1s. (men (£3,374 15s. 8d., women £672 5s. 6d.). The balance of surplus funds for apportionment allowed £1 9s. 6d. per full share in the men's section and £1 5s. 9d. per share in the women's section. These very satisfactory figures were possible owing to the decrease in the amount expended on sick pay. Members' balances had been credited with interest at the rate of 4½ per cent., which was the rate obtainable on the investments. The financial position of the Society was very satisfactory, the market value of the invested funds being at least £1,400 more than the amount stated in the balance sheet. There was in addition a reserve fund of £215. In supporting the adoption of the report and balance sheet, Mr. Hardy said he had not heard of any other society which could claim a decrease in sickness benefit during the past year. The rate of interest obtained on members' balances was also very good. The chairman thanked the secretary and staff for their services during the past year. The Executive Committee and officers were reappointed as follows:—Chairman, Mr. H. H. Marshall; Vice-Chairman, Mr. T. Hardy; Treasurer, Mr. A. R. Melhuish; and Committee, Messrs. Atkins, Atkinson, Bryan, Davies, Forster, Gilleghan, Hardy, Hobson, Keall, Marshall, Morgan, and Stearn, together with the trustees (Messrs. J. E. French, W. H. Clubb, and W. I. Scholes). Messrs. H. W. Harrie, A. Mortimer and H. Glyn-Jones were reappointed arbitrators.

### Visit to Works

On May 30 a party of chemists from Harrow paid a visit to the factory of Allen & Hanburys, Ltd., at Ware. The manufacture of foods, glycerine and black currant pastilles, the new cereal and the milk-cleansing apparatus proved most attractive to the visitors. After a very full afternoon, tea was served in the pavilion, which provides a view of the spacious sports ground. In proposing a vote of thanks to Messrs. Allen & Hanburys the secretary of the Branch (Mr. J. F. McNeal) said it gave him great pleasure to do this, because Allen & Hanburys were one of the few firms whose products could only be sold retail by the chemist. It was apparent that the managers of each department took a personal pride in their work. He congratulated them on their team work and thanked them for a very pleasant afternoon. Mr. Sumner seconded the vote of thanks. Replying for Messrs. Allen & Hanburys, Mr. Nelson said he was pleased to hear such kind things said about his firm. They did their best to turn out the best goods. He explained the clinic scheme, by which the chemist supplied foods instead of the clinic. A pleasant surprise was a gift to each member of the party of some of the firm's products. The arrangements were in the hands of the new social committee, and Mr. Williams and Mr. Switzur are to be congratulated on the success of their first function.

### Staff Outing

The staff of Mr. G. W. Hales, chemist and druggist, Tacket Street, Ipswich, held their annual outing on May 30. The party of forty journeyed from Ipswich via Easton to Framlingham. Here they visited the castle, where the custodian (Mr. R. Murray) lectured to them on its history. Under the guidance of the Rev. Canon H. C. O. Lanchester and Mr. J. Sangster the church was inspected. Much interest was shown in the Flodden Helmet (worn by the Earl of Surrey, victor in that battle) and the tombs of the Dukes of Norfolk. The party next proceeded to Thorpeness, where tea was served in the boat-house overlooking the Mere. Mr. Brown (Lavenham) proposed a vote of thanks to Mr. Hales for his kindness. This was carried with acclamation and the singing of "He's a jolly good fellow." Mr. Hales replied in a happy speech. Boating and sailing on the Mere occupied the remainder of the evening. The staff present represented businesses in Ipswich, Woodbridge, Lavenham, Framlingham, and Leiston.

### Inquests

A verdict of "Death from misadventure" was returned at Derby, recently, concerning the death of Kershaw Bramham, motor salesman, Solihull, Birmingham, who died after taking seventy-five aspirin tablets.

At Wordsley, recently, an inquiry was held concerning the death of Mr. F. H. D. Williams, chemist and druggist, an assistant with Holloways, Ltd., chemists, Dudley, who died from hydrocyanic acid poisoning. Medical evidence showed that a gastric ulcer was present, pointing to a possibility of an overdose having been taken. An open verdict was recorded.

The Camberwell (London) coroner held an inquest, on June 5, on the body of Henry J. Long, described as a gold and silver refiner, who had been in the employ of Johnson, Matthey & Co., Ltd., Hatton Garden, E.C., for about forty years. It was stated in evidence that in addition to refining metals he was employed in manufacturing silver nitrate. A medical witness said that when Long was examined in September 1932, a deposit of silver was found in the lining of the membrane of the eyes. In May this year, when an operation was performed, it was found that the man had a gangrenous intestine caused by an obstruction of the mesenteric artery in the stomach. Dr. E. F. Creed (King's College Hospital) said that the deposits of silver in the man's eyes indicated that his system was permeated with silver salts. The dermatitis might be attributable to exposure to nitric acid fumes. The jury returned a verdict of "Death from natural causes," with a rider that the evidence was insufficient to show how far, if at all, exposure to fumes of nitric acid was a factor in causing his disease.

The West Surrey coroner concluded an inquest recently on the body of William H. Thorpe, gardener, Chiddingfold, who committed suicide while of unsound mind. A report from Dr. J. H. Ryffel, Home Office analyst, was read, stating that a tin forwarded to him contained tetrachlorethane. A bottle contained a small amount of tetrachlorethane and crystals of potassium quadroxalate, the latter amounting to 17 gr. The contents of Thorpe's stomach contained tetrachlorethane and a small quantity of salt of lemon. Although the low calcium in the blood showed that the amount of oxalic acid absorbed was not negligible, tetrachlorethane was present in all the organs examined. It was legitimate to conclude that the principal cause of death was tetrachlorethane. The coroner, in recording his verdict, added that the only thing he thought he ought to say, more or less as a general protection, was that although the container he saw was labelled "non-poisonous" in small type—that was probably perfectly true in the ordinary use of the substance as a fumigant—a fatal dose could be taken by swallowing it, and he thought there should be some way of giving a warning to people.

### Birmingham

The scientific section of the Birmingham Pharmaceutical Association have presented Mr. J. E. Bowen, B.Sc., A.I.C., Ph.C., head of the Department of Pharmacy at the Robert Gordon Colleges, Aberdeen, with a silver cigarette box and a pair of silver table vases in recognition of his services as chairman of the section.

The annual general meeting of the Birmingham Branch of the Photographic Dealers' Association was held on May 31. The following officers were appointed: *Chairman,* C. T. Thonger; *Vice-Chairman,* L. Ingram; *Treasurer,* D. Willey; *Secretary,* L. W. Hurcomb. The chairman referred to the increase in membership of thirty-five, and bringing the total number of members to 160. During the year, thirty-eight additions had been made to the Approved List and eleven applications had been refused. Mr. E. J. Andrews, general secretary of the P.D.A., in an interesting address explained the Joint Council Regulations governing the photographic trade, and pointed out the necessity for dealers to remain loyal to the P.D.A. at the present time. Mr. Alec Hoare (Derby), treasurer of the P.D.A., reported continued progress in the membership department, and urged every dealer present to do his best to secure the support of those who at present pay nothing towards the cost of the protection they enjoy. A resolution promising support to any film manufacturer who adopted universal coding was passed unanimously.

### Leeds

Conference visitors are again reminded of the necessity (to which attention was called in our issue of June 2, p. 615) of making their hotel arrangements without delay.

Jack L. Barnett, Ltd., 18 Basinghall Street, inform us that all orders in hand will be delivered at prices booked, without addition of the extra duty on foreign glassware now in force.

### Liverpool

The scope for the employment of young people in the Liverpool fine chemical and pharmaceutical preparations trade is dealt with in considerable detail in the ninth of the series of pamphlets issued by the Liverpool Education Committee in co-operation with other local education authorities and the Ministry of Labour.

Mr. Harold Barton, chemist and druggist, Lord Street, Southport, is to succeed Mr. Harold Lomax, Liverpool, as representative of the South Lancashire area on the National Council of the Photographic Dealers' Association. Mr. Lomax, who was largely responsible for the organisation of the Liverpool Branch of the P.D.A. in 1929, has held the various offices of the local Branch, culminating with four years' service on the National Council, and has decided not to seek re-election.

### Sheffield

An interesting address on "Age Old Remedies" was given recently to the ladies of the Inner Wheel by Mr. John Austen, Ph.C.

Mr. H. Antcliffe gave an address before the Rotherham Rotary Club on "The Medicine of the People" at their recent weekly luncheon.

### Miscellaneous

Dentists Act, 1921.—At Stratford (Essex) Police Court, recently, Mr. Stanley Clompus, High Road, Leytonstone, was fined £5, with £3 3s. costs, for failing to pay his renewal fee in respect of practice as a dentist.

Window-dressing award.—Mr. R. H. Jones, chemist and druggist, Pwllheli, has been awarded first prize in the "Things to Use" section, also the challenge shield for best window display in connection with recent Pwllheli May Day Festival.

Modern Packing Exhibition.—The manufacturers' section of the Modern Packing Exhibition (*C. & D.*, June 2, p. 610) was opened by Mr. F. J. Wolfe (chairman of the Anglo-American Oil Co., Ltd.), at Dorland Hall, Regent Street, London, S.W.1, on June 1.

Poison-licence applications.—Maidenhead Town Council have granted licences for the sale of agricultural and horticultural poisons to Mr. G. Mattingley, Mr. John Percy Webster, S. R. Thompson, Ltd., Clark & Senior, Ltd., R. A. Butler, Ltd., Lloyd's Chemical Co., Ltd., and J. C. Webber & Sons, Ltd.—Applications for similar licences have been made to the respective local authority by the following: Pan Britannica Industries, Ltd., Waltham Abbey; Westgate & Sons, Bury St. Edmunds.

National Display Convention.—The next National Display Convention is to be held at Conway Hall, Red Lion Square, London, W.C.2, on September 3, 4 and 5. Exhibition stands will be erected on which manufacturers will feature display fittings and display aids. Modern lighting will also play an important part at the Convention. Further particulars may be obtained from Mr. F. W. Blake (Convention Secretary and Press Officer), 32 Hollingbourne Road, Herne Hill, S.E.24.

New premises commenced.—On June 5 the new "Pifco" premises, Shudehill, Manchester, 4, were inaugurated by the laying of the foundation-stone for Mrs. J. Webber (who is abroad) by Mr. J. Webber, the managing director. These new buildings will have a frontage of sixty-three feet to one of the principal arterial roads in Manchester, and will comprise five stories and basement. There will be office accommodation in the new building for over 100 clerks, and modern office equipment is being installed.

## Irish Notes

### Brevities

Mr. John J. Sewell, M.P.S.I., Killarney, who (as briefly announced in our issue of June 2) has been elected vice-president of the Rockwell College Union, one of the largest College Unions in Ireland, carries on the successful pharmacy established by his father, the late Mr. John J. Sewell, M.P.S.I., and his uncle, Mr. Edward J. Sewell, over fifty years ago. Mr. Sewell is a well-known figure in Irish sporting circles, having been a prominent Rugby player and cricketer, and is now in frequent request as a referee and a member of several sporting committees. Mr. Sewell is never more at home with his friends than when he is describing the beauty spots of his native Killarney.

*Photo*] [*Davis*

Mr. J. J. Sewell, M.P.S.I.

At a recent inquest in Dublin on the body of Mrs. Crilly, who was found dead with a bottle of lysol and a cup beside her, the coroner said he was glad to know that the Government had taken steps to deal with the manner in which such poisonous products could be obtained with ease by any ordinary citizen. There was the possibility that soon these dangerous things could only be obtained from chemists, and then only by the signature of the purchaser in the poisons book.

### Belfast

Mr. Fred Storey, who was re-elected president of the Chemists' and Druggists' Society of Ireland for the fifteenth time on May 29, left Belfast for a cruise on June 1 to recuperate after his recent serious illness.

When the Duke of Gloucester inspected the St. John Ambulance Brigade on duty at Balmoral Show, Belfast, on May 30, he was received by Mr. A. W. Mann, Ph.C. (hon. secretary, St. John Ambulance Brigade, Ulster), Mr. Ian Fraser, F.R.C.S., and Sir Dudley McCorkell (Mayor of Derry).

## Scottish Notes

### Scottish Pharmaceutical Federation

A meeting of the Executive Council was held in Edinburgh on May 23, Mr. Alexander A. Dick (president) in the chair. Twenty applications for membership were passed. Further correspondence was read regarding N.H.I. tests which had resulted in complaints against and fines upon members in connection with gauze, lint, etc. (even when guaranteed B.P.C.), required to be supplied in original sealed packages. The matter was remitted to the new Executive Council. The following indemnity claims were reported:—Claim by a solicitor whose infant son was scalded as a result of a hot-water bottle bursting; settled by the suppliers paying the solicitor £10 in full settlement. Claim against a member by a lady as a result of one of the member's assistants breaking a bottle of cod-liver oil which stained her shoes; settled for 12s. 6d. Claim against a member by a lady whose fur coat was burned by coming into contact with an electric radiator in the shop; settled by payment of 36s. It was reported that half of the 6.3 per cent. deduction from N.H.I. accounts had now been rescinded. A complaint had been received that certain manufacturers supplied their employees with dentifrice, etc., at wholesale prices. This matter was taken up with the manufacturers, who agreed in future to charge their employees the full retail prices of articles sold under their welfare scheme. A member complained that two co-operative societies granted dividend on P.A.T.A. articles. The P.A.T.A. were informed of the complaints, and warned the co-operative societies. A complaint had been received from a member regarding a doctor issuing code prescriptions. It was reported that this matter had been taken up with the General Medical Council. A customer's complaint that a member had supplied deficient liq. morph. hyd. had been investigated. An analysis by the Federation's analysts showed that the liq. morph. hyd. contained 0.98 per cent. of morphine hydrochloride (the B.P. limits being 0.95 to 1.05 per cent.); the customer was fully satisfied.

The scrutineers' report in connection with the Executive Council election was given, and the following were declared duly elected members of the Executive Council for 1934-35:—Aberdeen and North-Eastern Area—R. Alexander, Strichen, and M. K. Watt, Aberdeen; Dundee and East and Central Area—James P. Ferrier and John H. Ferguson, Dundee; Edinburgh and South-Eastern Area—B. Cartwright, Galashiels, James B. McLaren, Kirkcaldy, and Peter Nisbet, Leith; Glasgow and South-Western Area—Alex. A. Dick, Bellshill, P. M. Duff, Glasgow, W. S. Culbert, Airdrie, Alex. Murray, Glasgow, John Weir, Clydebank, and Martin Meldrum, Ayr; Inverness and Northern Area—Samuel McConnell, Johnstone. A vote of thanks was unanimously accorded to the scrutineers.

### Edinburgh

Mr. G. H. C. Rowland, M.P.S., who has represented Wright, Layman & Umney, Ltd., for the past twenty years in the North and Ireland, is now carrying on an agency business in Scotland, and is at present representing Whitaker & Co., Ltd., Kendal; W. Owen & Son, Newcastle-on-Tyne; and The Extermino Chemical Co., Ltd. His address is 98A Findhorn Place, Edinburgh, 9.

Under the title of "Rare and Refreshing Fruit," Dr. John Orr lectured on the benefits which have accrued from the National Health Insurance Act at the weekly luncheon of the Edinburgh Rotary Club on May 31. Over 40 per cent. of the population of this country, he said, were at present attended under the Insurance Act. In Edinburgh 75 per cent. of the doctors and 95 per cent. of the chemists were on the panel. In Edinburgh the quality of prescribing was on a very high level indeed. He did not think there was another city in the country where the pharmaceutical service was as good.

The staff of Pinkerton, Gibson & Co., Ltd., held their annual "Flannel Dance" on May 31, when a company of over 100 enjoyed dancing to excellent music supplied by the Eldorado Band at Hill Street Hall, Edinburgh. Messrs. J. Dumper and T. Smith efficiently carried out the M.C. duties. Superb weather prevailed at the annual outing of Pinkerton, Gibson & Co., Ltd., on June 2. This year the directors entertained the company to a motor drive in the Borders. The outward journey was taken via Galashiels and Bemersyde to Dryburgh Abbey, thereafter to Melrose, where lunch was taken and an opportunity given to visit the Abbey. The party then proceeded via Abbotsford, up the Tweed Valley to Peebles. All the arrangements were excellent.

# Topical Reflections

## By Xrayser

### Your Leading Article

on "Shopkeeping without Shops" (*C. & D.*, June 2, p. 623) is most timely; I hope that it will be read and re-read, particularly by all manufacturers and wholesalers in the drug and allied trades, since they only can take such action that the present unsatisfactory situation can be altered. I cannot blame the very large number of members of the public, members of the staffs of banks and insurance companies, of the teaching profession and others who in these hard times find it convenient to purchase many of their necessaries, and also luxuries, at wholesale prices. The blame lies at the door of certain manufacturers and distributors. Many of these do not care to whom they sell goods, provided the magic word "wholesale" is mentioned somewhere in the transaction; if a card or a billhead is shown on which is a statement that the possessor is a "wholesaler," or comes from one, the goods are handed over or sent at wholesale prices. It can be said definitely that, so far as proprietary medicines are concerned, any well known and reputable manufacturer or wholesaler would not supply goods to staff shops or canteens direct; and would refuse to supply by any other method were there any suspicion that the goods would eventually find their way there. If others, not now so particular, would realise that their business future can only be assured by allowing their goods to pass to the public by way of the genuine retailer only and at protected or maintained prices, the evil would soon cease. I am hopeful that much good will be done to this end by the action of chambers of commerce all over the country; let pharmacists, through their local associations and the N.P.U., keep hammering away also.

### "This Membership"

referred to on p. 635 of the *C. & D.*, is causing many of us on this side "furiously to think." I am not surprised that a pharmacist in the Transvaal should have some doubts, if not about the legality, at any rate about the morality, of an Act which denies the right to keep "open shop"—I use the old expression—to a man who possesses a certificate to prove that he is duly qualified to be registered as a chemist and druggist, unless, in addition, he pays a yearly fee to be so registered and exhibits such certificate of registration. Hitherto all that has been necessary to prove that the person in charge of a pharmacy is entitled to keep open shop has been either the examination certificate or the certificate of membership; some men have displayed both. In future neither of these will be of any use, but a certificate of registration must be shown. Is this equitable?

# National Pharmaceutical Union

## Executive Meetings

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on May 31, Mr. E. A. Atkins in the chair.

### PHARMACEUTICAL PUBLICITY ASSOCIATION

The Executive received a report from the Publicity Committee upon the response which had been received to the last appeal for more members. This had not been sufficient to bring in the annual income which had been considered to be the very minimum under which the scheme could be undertaken. The Executive therefore decided that the scheme would have to be dropped and the money returned to subscribers to the Publicity Association. It was decided that the issuing of the publicity sign should not be entertained for the time being, although a number of members had expressed their desire to have the sign regardless of the future of the publicity scheme.

### PUBLIC PHARMACEUTICAL SERVICES

A report was received from the General Purposes Committee in respect of the public pharmaceutical services as they affected the chemist in business, with special reference to the public medical services conducted by the British Medical Association and the position of the chemist in relation to the medical services rendered by public authorities under the Local Government Acts. The Executive adopted the recommendation of the Committee that in regard to the public medical services conducted by the B.M.A. the best method of payment for chemists was that the chemists' bills should be a direct charge upon the funds of the committee controlling the medical service, and in regard to the various medical services under the Local Government Acts that the N.H.I. method of payment should be adopted. The secretary was instructed in inform the branches of the views of the Executive on these matters.

### N.H.I. MATTERS

The Executive approved new definitions submitted by the Ministry of Health to replace that in respect of "Splints" in the Schedule to the Medical Benefit Regulations.

The Ministry of Health had suggested that so far as N.H.I. supplies are concerned the revised standards of the new British Pharmaceutical Codex should come into force on January 1, 1935. The Executive accepted the proposal with the proviso that it is understood that the Codex will be published on July 1, 1934.

A letter was received from the Ministry of Health regarding the fees for tubes of gaseous carbon dioxide and carbon dioxide snow. The Executive agreed to the Ministry's proposals in respect of carbon dioxide gas, but in regard to carbon dioxide snow it was decided that further representations be made to the Ministry.

### CLEARING HOUSE FOR CHEMISTS' ACCOUNTS

The Executive considered the question of the N.P.U. instituting a scheme by which members might pay a group of accounts by one cheque, the N.P.U. acting as a clearing house. The Executive decided that such a scheme would be a benefit to members, and the secretary was authorised to proceed with the necessary arrangements.

### NURSES' CARDS

The issue of the nurses' cards having proved very popular, the Executive gave authority for an announcement to be published in the leading nurses' papers, drawing the attention of nurses to the fact that these cards are now available from private chemists.

### C.D.A. Matters

The secretary reported that of the ten cases outstanding since the last meeting, two might be considered closed, and settlements had been effected in four of the cases:—Sod. salicyl. supplied for sod. sulphate; claim settled by payment of £16 6s. Damage caused to furniture by hair lotion owing to badly fitting cork; claim settled by payment of 8s. Damage caused by I.R. hot water bottle splitting; claim settled by payment of 7s. 6d. Lost camera; claim settled by payment of £1 5s.

Thirteen new cases had arisen during the month of which seven had been settled as follows:—Batteries damaged by charging with water instead of acid; claim settled by payment of £1 5s. Eyes affected by wrong lenses supplied; claim settled by payment of £2 2s. Injuries to eyes caused by defective dropper; claim settled by payment of £6 10s. Clothing damaged by chloride of lime; claim settled by payment of 16s. Damage caused by cycling errand-boys (two cases); claims settled by payments of 7s. and £3 15s. respectively. Clothing torn on window frame; claim settled by payment of £2.

The secretary reported that two members had been defended in respect of summonses, that legal advice had been given on a variety of subjects, and that sixteen analyses had been undertaken under the "free" arrangement.

# Insurance Act Dispensing

**Record of matters concerning Chemists' interests in the National Health Insurance Acts**

## Local Reports

### ENGLAND AND WALES

**Portsmouth.**—Two interesting cases have been reported upon by the Pharmaceutical Service Subcommittee. In one tab. nasal alk. N.F. were ordered. These were found, on analysis, to be deficient in sodii bicarb. by 17 per cent., and showed an excess of borax of 35.6 per cent. The manufacturers stated in a letter that in preparing the mixed powders for compressing into tablets the borax, which contains water of crystallisation, had evidently lost moisture and so the proportion of borax was increased. The Subcommittee recommended and the Insurance Committee confirmed that, having regard to the high standard of the manufacturers and the difficulty of manufacture, no further action be taken. In the second case emuls. ol. morrhuæ N.F. was found to be deficient in cod-liver oil to the extent of 50.2 per cent. The wholesale house in a letter to the chemist said: "We find that emuls. ol. morrh. N.F. was ordered by you but inadvertently a 25 per cent. emulsion was supplied." The Subcommittee recommended that no monetary penalty be inflicted, and that in future a guarantee be obtained.

### SCOTLAND

**Selkirkshire.**—The annual report of Selkirkshire Insurance Committee for 1933 shows the number of chemists on the Committee's list for supply of drugs and appliances was nineteen. The number of prescriptions dispensed was 14,880, at a cost of £898, equal to 20.95d. per insured person.

# New Companies
## and Company News

**P.C. means Private Company and R.O. Registered Office**

JOHN E. GREENER, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists and opticians, etc. R.O.: 128 Oakfield Road, Liverpool, 4.

FORSIL SOAP CO., LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in soap and washing materials, perfumes, etc. R.O.: The Burys, Godalming, Surrey.

IONISED PRODUCTS, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers of and dealers in ionised oils, fluids, soaps, creams and fats, etc. Solicitors: Kenneth Brown, Baker, Baker, Essex House, Essex Street, W.C.2.

JONES & KING, LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of wholesale chemists and sundriesmen, dealers in proprietary articles, drugs, perfumery, toilet articles, photographic goods, etc. R.O.: 55 Twyford Avenue, Portsmouth.

ASPREES DISTRIBUTING COMPANY, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in pharmaceutical and medicinal preparations, etc. Solicitors: Allen & Overy, 3 Finch Lane, E.C.3.

OXY-FERROLENE, LTD. — (P.C.). — Capital £100. Objects: To carry on the business of manufacturers of and dealers in oxygen, solid, liquid or gaseous fuels and chemicals of every nature, etc. R.O.: 11 Waterloo Place, Pall Mall, S.W.1.

PARFUMS FRANCAIS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in perfumes, toilet preparations, chemicals, drugs, etc. Solicitors: Bulcraig & Davis, Amberley House, Norfolk Street, W.C.2.

BRIDENT MANUFACTURING COMPANY, LTD. (P.C.).—Capital £4,000. Objects: To acquire the business of a denture paste manufacturer carried on by Frank Bates at 27 Kensington, Liverpool, and to acquire the Trade Mark Brident No. 534,888 (Class 48).

MARLUK (CORRINGHAM), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of manufacturers and producers of and dealers in all kinds of chemical, pharmaceutical, medicinal, patent and medicated foods, etc. Ernest Pluck, Havenhurst, Manor Road, Corringham, Essex, director.

OMEGA PRODUCTS, LTD. (P.C.).—Registered in Edinburgh. Capital £500. Objects: To acquire the business of Alexander Gilchrist, 1,000 Tollcross Road, Glasgow, and to carry on the business of importers and manufacturers of and dealers in all kinds of cosmetics and health preparations, etc.

DYTEX SALES, LTD. (P.C.).—Capital £500. Objects: To adopt an agreement with Tintex Dyes, Ltd., and Pastex Dyes, Ltd., and to carry on the business of dealers in and manufacturers of dyes and chemicals of all kinds, importers and manufacturers of and dealers in pharmaceutical and medicinal preparations, etc. Solicitors: Zeffertt & Heard, 17 Coleman Street, E.C.2.

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A. J. WHITE, LTD.—Directors' report and accounts for the year ended March 31, 1934, show a net profit of £42,086 2s. 10d., against £41,571 15s. 3d. for the previous year. After bringing in balance forward of £91,764 12s. 4d. and allowing for interim dividend paid in January last of £15,000, the balance is £118,850 15s. 2d. Directors recommend final dividend of 7½ per cent. (making 12½ per cent. for the year), leaving a balance of £96,350 15s. 2d. One director, Mr. R. Stafford Charles, retires and offers himself for re-election. Annual general meeting, Thursday, June 28, at 12.10 p.m. at 1 Moorgate Place, E.C.1.

A. BOAKE ROBERTS & CO., LTD.—Interim dividend on the ordinary shares of 1 per cent. declared.

YORKSHIRE DYEWARE AND CHEMICAL CO., LTD.—Report for year to March 31, 1934, shows net profit of £20,034 (against £19,908 in 1932-33). Directors recommend final dividend of 7½ per cent., making 10 per cent., and bonus of 2½ per cent., less tax. Carried forward, £7,331.

W. J. BUSH & CO., LTD.—Net profit for 1933 amounted to £70,391, as compared with £58,970 for the previous year. Directors recommend final dividend of 7 per cent. on the ordinary shares, making a total dividend of 11 per cent. for the year (9 per cent. for 1932), £27,500 is put to general reserve and £22,000 written off goodwill. Balance carried forward, £91,928.

BOOTS PURE DRUG CO., LTD.—The full report for the year to March 31 last shows that net trading profit and investment income rose from £832,158 to £943,075. The transfer from works development reserve to revenue is reduced from £35,642 to £4,667, and total income is shown at £949,940, against £868,269. As already announced, the net balance is up from £701,453 to £744,866; the ordinary share distribution is maintained at 29 per cent., and holders are offered one new share at 15s. for every 15 now held. The necessary resolution to increase the capital to £3,000,000 by the issue of 400,000 new ordinary 5s. shares will be submitted at the meeting, and the formal offer will follow immediately. General reserve receives £150,000—against £100,000—and property reserve £16,018. General reserve now stands at £1,650,000 and works development fund at £103,712. A comparative table shows:—

| To March 31 | 1934 | 1933 | 1932 |
|---|---|---|---|
| | £ | £ | £ |
| Net profit ... ... ... | 744,866 | 701,453 | 731,891 |
| Brought in ... ... ... | 190,187 | 220,484 | 220,343 |
| Available ... ... ... | 935,053 | 921,937 | 952,234 |
| Preference and preferred dividends ... ... ... | 96,750 | 96,750 | 96,750 |
| Ordinary dividend amount ... | 435,000 | 435,000 | 435,000 |
| Ordinary dividend rate per cent.* ... ... ... | 29 | 29 | 29 |
| To reserve ... ... ... | 150,000 | 100,000 | 100,000 |
| To works development ... | — | 100,000 | 100,000 |
| Property reserve ... ... | 16,018 | — | — |
| Forward ... ... ... | 237,285 | 190,187 | 220,484 |

* Including bonus of 5 per cent., tax free.

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## Private Arrangement

**William Edward Proctor,** trading as John Proctor & Sons, 42 St. John's Place, Preston, wholesale druggists. The creditors were called together recently at Preston, when the statement of affairs showed ranking liabilities of £2,074 3s. 5d. The indebtedness to the trade was £539 19s. 11d.; the exors, of the late Mr. John Proctor, senr., were creditors for £819 1s. 9d., and the administratrix of the late Mr. John Proctor, junr., was scheduled for £531 10s. 6d. The two latter claims were, however, subject to a deduction to the extent of £142 7s. 8d. in respect of the debtor's interest in the estate of the late Mr. J. Proctor, senr. There were also partly secured creditors for £705 2s. 2d., who held securities valued at £379 3s. 3d. and fully secured creditors for £1,126 12s. 9d. After allowing £43 4s. 2d. for preferential claims, the net assets were £325 4s. 5d., or a deficiency of £1,748 19s. The assets comprised fixtures and fittings £5, stock £100, and book debts £263 8s. 7d. It was stated that the debtor was previously associated in the business with his father, the late Mr. John Proctor, and a brother, the late Mr. J. Proctor, junr. During the discussion which took place a suggestion was made that the executors and the administratrix should withdraw their claims, but it was pointed out that there were certain beneficiaries who had to be consulted, and a definite statement on the matter could not be made at that moment. It was eventually decided that a deed of assignment should be executed to Mr. R. A. Hornby, of Messrs. Davies & Crane, together with a committee.

## Stock Exchange Prices

| £1 Shares unless otherwise stated | Dec. 29, 1933 | | Apl. 30, 1934 | | May 31, 1934 | |
|---|---|---|---|---|---|---|
| | s. | d. | s. | d. | s. | d. |
| Allen & Hanburys, 7% Prefd. Ord.... | 25 | 0 | 28 | 0 | 27 | 9 |
| Amalg. Dental Co., 8% Prefd. Ord.... | 22 | 9 | 24 | 0 | 24 | 6 |
| ,, ,, Deferred £1 ... | 11 | 6 | 10 | 3 | 12 | 0 |
| Ayrton, Saunders & Co., 7½% Pref.... | 11 | 3 | 14 | 0 | 16 | 6 |
| Beechams Pills, Deferred 1s. shares... | 3 | 3 | 3 | 10½ | 3 | 9 |
| Benger's Food, Ord. ... ... ... | 42 | 0 | 45 | 6 | 42 | 9 |
| Benzol & By Products cum. part. Pref. | 2 | 6 | 3 | 0 | 2 | 6 |
| Berger (Lewis) & Sons, Ord. ... | 35 | 6 | 45 | 0 | 45 | 0 |
| Blundell Spence & Co. ... ... | 14 | 3 | 18 | 9 | 18 | 0 |
| Boake (A.), Roberts & Co., 5% Pref. | 16 | 9 | 17 | 6 | 17 | 6 |
| Boots Pure Drug, Ord. 5s. shares ... | 39 | 6 | 46 | 9 | 43 | 9 |
| Boots Pure Drug, 7% "A" Prefd. Ord. | 29 | 9 | 29 | 9 | 29 | 9 |
| Boots Cash Chemists(S.),6% "A" Pref. | 27 | 3 | 27 | 6 | 27 | 6 |
| Borax Consold., Dfd. Ord. ... ... | 12 | 3 | 15 | 0 | 14 | 0 |
| Bovril, 6% Pref. ... ... ... | 27 | 3 | 26 | 0 | 25 | 6 |
| ,, Ord. ... ... ... ... | 26 | 3 | 27 | 0 | 27 | 3 |
| ,, Defd. ... ... ... ... | 27 | 6 | 21 | 0 | 19 | 6 |
| British Cyanides, Ord., 2s. shares ... | 3 | 0 | 3 | 4½ | 3 | 3 |
| British Drug Houses, The, Ord. ... | 22 | 3 | 21 | 0 | 20 | 0 |
| British Glues & Chemicals, 4s. Ord.... | 3 | 9 | 4 | 3 | 4 | 7½ |
| British Oil and Cake Mills, Prefd. Ord. | 42 | 0 | 41 | 0 | 40 | 3 |
| British Oxygen, Ord.... ... ... | 47 | 3 | 64 | 0 | 64 | 9 |
| British Photo. Indus., 6% Cum. Pref. | 5 | 0 | 5 | 0 | — | |
| Burt, Boulton & Haywood, Ord. ... | 15 | 3 | 22 | 9 | 21 | 9 |
| Bush (W. J.), & Co., 5% Pref. £5 ... | 101 | 3 | 103 | 9 | 101 | 3 |
| Callard, Stewart & Watt, Ord. ... | 7 | 0 | 6 | 3 | 6 | 3 |
| Chance & Hunt,4% 1st Mort.Deb.£100 | £85 | | £89 | | £89 | |
| Cooper, McDougall & Robertson, Ord. | 30 | 0 | 31 | 0 | 34 | 0 |
| Crosfield (Joseph) & Sons, 6½% Pref. | 27 | 0 | 29 | 6 | 29 | 6 |
| Dubarry Perfumery, Ord. 1s. ... | 3 | 6 | 5 | 0 | 5 | 3 |
| ,, ,, 7½% Pref. ... | 21 | 3 | 22 | 6 | 23 | 0 |
| Eastman Kodak Com. (no nom. value) | $79 | | $92 | | $94 | |
| Evans Sons Lescher & Webb, Ord. 6s. 8d. shares | 1 | 9 | 3 | 6 | 3 | 6 |
| ,, ,, ,, 6% cum. part. Pref. | 4 | 4½ | 5 | 0 | 5 | 6 |
| Field (J. C. & J.), Ord. ... ... | 27 | 3 | 26 | 0 | 25 | 6 |
| Galloway (P. H.), Ord. 2s. ... ... | 3 | 0 | 3 | 4½ | 3 | 4½ |
| ,, ,, 7½% Cum. Pref. ... | 25 | 6 | 26 | 3 | 26 | 0 |
| Genatosan, Ltd., 1s. ... ... ... | 5 | 4½ | 6 | 3 | 6 | 1½ |
| Gossage (William), 6½% Pref. ... | 28 | 6 | 28 | 6 | 28 | 0 |
| Grout & Co., Ord. ... ... ... | 20 | 0 | 20 | 6 | 22 | 0 |
| Hodders, Ord. 1s. ... ... ... | 0 | 10½ | 1 | 3 | 1 | 0 |
| Ilford, Ltd., Ord. ... ... ... | 26 | 3 | 26 | 0 | 27 | 6 |
| ,, 6% Pref. ... ... | 26 | 0 | 25 | 0 | 25 | 3 |
| Imperial Chemical, 7% Pref. ... | 30 | 1½ | 33 | 0 | 32 | 0 |
| ,, ,, Ord. ... ... | 32 | 3 | 36 | 9 | 34 | 6 |
| ,, ,, Defd. 10s. ... | 9 | 0 | 9 | 4½ | 8 | 10½ |
| Intern. Sponge Importers, 6% Pref.... | 10 | 0 | 15 | 0 | 15 | 0 |
| Kent (G. B.) & Sons, 5½% Pref. ... | 6 | 3 | 6 | 3 | 6 | 3 |
| Knight (John), 25% Prefd. Ord. ... | 96 | 3 | 93 | 0 | 96 | 3 |
| Laporte (B.) & Co., Ltd., Ord. ... | 62 | 6 | 78 | 0 | 63 | 9 |
| Lever Bros., Ltd., 7% Pref.... ... | 28 | 1½ | 30 | 0 | 30 | 3 |
| ,, ,, 8% Pref.... ... | 29 | 6 | 30 | 9 | 31 | 3 |
| ,, ,, 20% Prfd. Ord. £1 | 63 | 0 | 65 | 6 | 68 | 6 |
| Lewis & Burrows, Ord. ... ... | 27 | 6 | 28 | 9 | — | |
| ,, ,, 6% Pref.... ... | 22 | 0 | 21 | 6 | — | |
| Liebig's Ext. of Meat, Ord. £5 ... | £11⅞ | | £11⅞ | | £12 | |
| Mellin's Food, 6% Pref. ... ... | 1 | 3 | 2 | 0 | 2 | 0 |
| Nathan (Joseph) & Co., 7% Pref. ... | 19 | 3 | 22 | 6 | 22 | 6 |
| ,, ,, ,, 8% Prefd. Ord. | 5 | 3 | 9 | 3 | 9 | 3 |
| Pears (A. & F.), 5% Deb £100 ... | £104 | | £111 | | £110 | |
| Phosferine (Ashton & Parsons), 8% cum. partic. Ord. ... ... ... | 21 | 0 | 23 | 3 | 23 | 6 |
| Reckitt & Sons, Ord.... ... ... | 105 | 0 | 108 | 0 | 105 | 9 |
| Salt Union, Ord. ... ... ... | 38 | 9 | 41 | 9 | 40 | 9 |
| Sangers, Ord. 5s. ... ... ... | 17 | 0 | 19 | 0 | 20 | 3 |
| "Sanitas," The, Co., 9% Pref. ... | 31 | 3 | 33 | 0 | 31 | 3 |
| Sanitas Trust, 10% partic. Pref. ... | 31 | 6 | 35 | 0 | 33 | 0 |
| Smith (Stephen) & Co., Ord. 5s. ... | 10 | 9 | 12 | 3 | 11 | 9 |
| Spratt's Patent, Ord.... ... ... | 63 | 0 | 66 | 3 | 67 | 6 |
| Stevenson & Howell, 6¼% Cum. Pref. | 25 | 0 | 25 | 6 | 25 | 0 |
| Taylors Cash Chemists (Lon.), 1s.Defd. | 0 | 9 | 0 | 9 | 0 | 8½ |
| Taylors (Cash Chemists) Trust, Pref. Ord. | 9 | 0 | 9 | 6 | 10 | 6 |
| ,, ,, ,, 1s. Defd. | 0 | 9 | 0 | 10½ | 0 | 10½ |
| United Glass Bottle Man., 6% Mt. Deb. Stk., £100 ... ... ... | £106 | | £105 | | £103½ | |
| Veno Drug Co., 8% Pref. ... ... | 24 | 3 | 23 | 6 | 24 | 6 |
| Virol, Ltd., Ord. ... ... ... | 28 | 9 | 26 | 3 | 26 | 3 |
| ,, 7% Pref.... ... ... | 26 | 6 | 25 | 0 | 25 | 0 |
| White (A. J.), Ltd., Ord. 10s. ... | 17 | 6 | 17 | 6 | 17 | 6 |
| White (Timothy), 7½% Prefd. Ord.... | 27 | 3 | 27 | 6 | 28 | 3 |
| ,, ,, 5s. Defd. Ord. ... | — | | 19 | 6 | 19 | 3 |
| Wright, Layman & Umney (1932), 7% cum. Pref. ... ... ... | 25 | 0 | 24 | 9 | 24 | 6 |
| Yorkshire Indigo & Col. Dyers, 5s. Ord. ... ... ... ... ... | 0 | 9 | 0 | 9 | 0 | 9 |

# Birmingham Analyst's Report

THE latest quarterly report of the Birmingham city analyst (Mr. H. H. Bagnall, B.Sc., F.I.C.), covering the period January-March 1934, states that 1,481 samples were submitted, of which fifty-six were purchased formally. The number of samples of "drugs" was 164, of which three were formal samples. The principal paragraphs in this part of the report are as follows:—

ASPIRIN TABLETS.—One out of five samples was of very inferior quality and contained 2 per cent. of free salicylic acid, corresponding to 2.6 per cent. on the aspirin used; the B.P. limit for salicylic acid is 0.05 per cent., so that over fifty times too much was present. In addition over 6 per cent. of French chalk was contained in the tablets, an unusually large quantity. The majority of tablets contain no insoluble mineral matter, and it seems quite unnecessary to incorporate any such material in tablets of this kind. It appeared, however, that the tablets in question were old stock and that the packers had gone out of business. No further action was taken.

DRIED MINT.—Two samples . . . were found to be adulterated with about 25 per cent. and 35 per cent. respectively of Ailanthus leaves. . . . There have been, during the last twelve months, a number of prosecutions in this country, both of retail vendors and of wholesale firms for the sale of such adulterated mint, and it has been shown that the adulteration has been carried out before importation and that a number of reputable wholesale firms have been deceived. The adulteration is not an obvious one and involves careful microscopical examination. The firms concerned with the supply of the two samples mentioned were communicated with, and both have recovered all the adulterated mint supplied to the shops in question and have done everything in their power to collect as much as possible from their retail customers all over the country.

SEIDLITZ POWDERS.—Sample —— was incorrectly made up. The blue paper should contain, according to the B.P., 7.5 grams of Rochelle salt and 2.5 grams of sodium bicarbonate, and the white paper 2.5 grams of tartaric acid. The blue papers actually contained totals of 12.2 and 12.4 grams respectively, and only 21.4 per cent. consisted of sodium bicarbonate instead of 25 per cent. The white paper contained an excess of 13 per cent. of tartaric acid. The wholesale firm concerned explained that it had been discovered that the electrical machines used for weighing out the constituents had been working too slowly owing to a change in the power installation, and so the amounts weighed were in excess of the standard. The powders concerned were sent out to the retailer by inadvertence.

The blue papers of —— sold as B.P. seidlitz powders contained 11.25 grams of Rochelle salt and 2.5 grams of sodium bicarbonate. This composition agrees with the B.P. Codex formula for extra strong seidlitz powders. The vendor explained that owing to an error on the part of an assistant, the sampling officer had been supplied with the latter.

VINEGAR.—Sample —— was artificial vinegar consisting of dilute acetic acid coloured with caramel. A further visit was paid to the same shop and malt vinegar was demanded. This sample, ——, was of the same composition as the previous one. The vendor had only recently bought the business and was cautioned. Sample —— contained only 3.6 per cent. of acetic acid instead of the unofficial minimum of 4 per cent., which has for years been accepted by all concerned in the trade. An official sample, ——, contained only 3.5 per cent. of acetic acid, a deficiency of 12 per cent. The vendor was fined 5s. . . .

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POISONS SCHEDULE.—The Privy Council's approval of the Pharmaceutical Society's addition to Part I of the Poisons Schedule (*C. & D.*, April 21, p. 435) has been published (Stationery Office, 1d.) as Statutory Rules and Orders, 1934, No. 361.

# Starting a Library

It is not intended in this article to discuss the desirability or otherwise of introducing a lending library into the pharmacy, but to give, as briefly as possible, particulars of how to start a library—and how to run it. It may be mentioned, however, that a library service equal to that given to the public by the large organisations is well within the scope of the private chemist.

### First Steps

Having decided that investigation of the possibilities of a library in the pharmacy will result in extra business, the chemist should next consider the best method of acquiring the appropriate books, their cost, maintenance, and the profits to be expected. There are two ways of starting a library; the first is to purchase a selection of books, adding to them at intervals in an effort to keep the stock up to date. The difficulties attendant on this course, however, are numerous, and it requires only a minimum of calculation to appreciate that the cost of a book will hardly be realised before the volume is worn out. Lack of facilities for maintenance (re-binding, cleaning, etc.), and inexperience in gauging the popular demand for fiction, make this system, so far as the private chemist is concerned, one to be avoided.

### The Rental Library

With the assistance of a rental library, however, the prospects of success are assured. These organisations function along the following lines (the figures given are those actually quoted by a well-known London firm):—The rental library is prepared to enter into an arrangement with its customers, e.g., a chemist, to supply him with a minimum stock of 200 books, at a rental of 5s. per 100 books per week, payable monthly, additions to the stock being made in multiples of fifty books. The library may be refreshed by an exchange every two months of 20 per cent. of the stock, the books sent by the parent library in exchange being always clean and in good condition; carriage is paid one way by the library and the other by the agent. The point of great importance, therefore, is the advantage of being able to start the library with no capital outlay, with the exception, perhaps, of the cost of fitting suitable shelves; and another advantage is that there is no limit, except his own possibilities, to the size of library a chemist may attain.

### Running the Library

A simple calculation will show that in order to realise the first month's rent before it is due it is necessary, with a stock of 200 books, to lend only ten books per day at a charge of 2d. per volume, or if the charge is higher the number becomes proportionately less. The revenue from extra books lent then becomes profit. The first selection of titles may be made by the customer or, if required, the rental library will usually give the benefit of their experience in this matter. As a rule, when a library is properly established, a stock of about double the weekly output is desirable. The actual work entailed in running the library can be kept to a minimum by means of a simple recording system, and experience has shown that very little trouble arises from such sources as non-return of books, damage of books, etc. In conclusion, it should be borne in mind that every customer entering the pharmacy for the purpose of changing a book becomes a potential buyer of the many other items comprising the chemist's stock.—*A. S.* (24/4).

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In view of the animated discussion on "Travellers," which has recently appeared in the *C. & D.* correspondence columns, it may be interesting to note that the Paris Medical Association has decided to print an "introduction card" for travellers calling on doctors. These cards will be issued to the representatives of such firms as do not advertise in the public Press and who fulfil certain obligations.

# Sporting Events

Members of the Northumberland and Durham Chemists' Golf Association held their annual competition recently at Ryton for the Ayrton cup, the results being:—G. W. Simpson, Alnwick, all square; T. Lamb, Forest Hall, 1 down; A. Walker, Wallsend, 1 down; D. Taylor, Whitley Bay, 4 down; J. Gibson, Newcastle, 5 down; A. Harris, Newcastle, 5 down; T. S. Stonier, North Shields, 6 down, S. R. Blackburn, Burnopfield, 6 down.

The seventh annual competition for the B.D.H. golf trophy was played at Abbeydale, Sheffield, on May 24. There were thirty-two competitors—a record for this competition. The winner was Mr. C. W. Hobson (Sheffield) with a net score of 69. Messrs. W. R. Fairest, P. R. Childe and J. Oversby were next each with a net score of 77. After the company had been entertained to tea, the trophy was presented to the winner (together with a silver replica) by Mr. P. W. Burr, on behalf of the directors of The British Drug Houses, Ltd. A hearty vote of thanks to The British Drug Houses, Ltd., for their generosity in providing the cup and for their hospitality that day was proposed by Mr. S. H. Plattin and seconded by Mr. C. W. Hobson.

The annual garden party and sports day of the staff and employees of Burroughs Wellcome & Co. was held on June 2 in the grounds of the Wellcome Club and Institute, Dartford, Kent. The attendance numbered approximately 700. A series of twenty-seven events was run off in ideal weather. The putting match between the staffs of the Chief Works, Head Office and the Wellcome Physiological Research Laboratories was won by Mr. Pearson's team. The bowls tournament was won by Mr. Grose's rink. A netball match between the General Office, Dartford (League winners) and "The Rest" resulted in a win for the former by 17 goals to 6. An entertainment party gave a concert on the croquet lawn in the early part of the evening. This was followed by dancing, the music being provided by the Dartford Town Silver Band, and the proceedings concluded with a firework display. During the interval Mrs. Jowett presented the prizes to the successful competitors in the sporting events.

The match played annually between the Liverpool and Manchester Chemists' Golfing Societies for the Gibbs trophy and replicas took place at Warrington Golf Club on May 30. Weather conditions were perfect, and the course was in excellent condition. The match is decided with teams of twelve a side, the team returning the eight best net scores being the winning side. The scores were:—

| *Liverpool* | | *Manchester* | |
|---|---|---|---|
| F. Orr | 72 | J. A. Collins | 71 |
| W. H. Tidy | 73 | S. M. Bostock | 72 |
| R. Tomlinson | 77 | J. W. Aves | 73 |
| A. Fairbairn | 77 | G. M. Evans | 74 |
| R. W. Williams | 78 | A. Demaine | 76 |
| J. Glover | 79 | S. Fletcher | 77 |
| S. F. Alder | 81 | E. S. Bury | 79 |
| C. L. Lever | 82 | C. Stenson | 80 |
| | 619 | | 599 |

Manchester was successful by the narrow margin of twenty strokes. The trophy was handed to the Manchester captain (Mr. E. S. Bury) by the president of the Manchester Society (Mr. J. H. Franklin), who presided at the meeting held after tea. The replicas were presented to the members of the successful team by Mr. Macgregor of D. & W. Gibbs, Ltd. A vote of thanks to Messrs. D. & W. Gibbs, proposed by Mr. F. Derrick (Liverpool) and seconded by Mr. E. S. Bury, was carried with enthusiasm. In a subsidiary competition for members not taking part in the Gibbs competition there was a tie between Mr. E. N. Fox and Mr. T. Miller, who each returned a score of 78. They divided the prize of a dozen golf balls. The next meeting, the annual competition for the Kerfoot trophy, will take place at Sale on June 13.

# Births

**Notices for insertion in this column must be properly authenticated.**

WILLIAMSON.—At "Eskdale," Oakland Road, Aigburth, Liverpool, on May 25, the wife of J. Williamson, M.P.S., of a daughter.

# Marriages

BURNS—FOWLDS.—At Wesley Place Methodist Church, Ingrow, Keighley, on June 5, W. Alan Burns, to Helena May Fowlds, M.P.S., daughter of the late Mr. W. Fowlds, chemist and druggist, Ingrow.

MILBURN—DENBOW.—At St. Edward's Church, Leeds, 11, on June 6, C. Ronald Milburn, M.P.S., Leeds, to Marjorie Denbow.

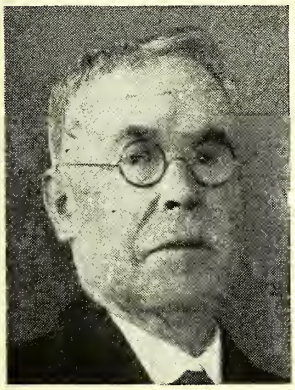
WARE—NEWBERY.—At St. George's Church, Catford, London, S.E., on June 1, Leonard William Ware, M.P.S., to Rosabel Nora Mathilde, only child of Commander Newbery, Charing, Kent.

# Deaths

ASHWORTH.—At his residence, Dunsters, Brandlesholme, Road, Bury, Lancashire, recently, Mr. Arthur Ashworth, governing director of Arthur Ashworth, Ltd., manufacturing chemists, Fernhill Chemical Works, aged seventy-six.

EVANS.—On May 26, Mr. Evan Evans, chemist and druggist, Ammanford, aged seventy-four. Mr. Evans served his apprenticeship at Lampeter, and after qualifying established his pharmacy, High Street, Ammanford, in 1885, removing to The Square in 1899.

FARRINGTON.—At his residence, St. Anne's, Kimmage, co. Dublin, on May 31, Mr. Andrew Farrington, M.C.P.S.I., aged sixty-seven. Mr. Farrington, who was elected to the Council of the Pharmaceutical Society of Ireland last October, had been in failing health for some months past. He was born in New Jersey, U.S.A., but went to Dublin early in life, and was associated with pharmaceutical business in the city for nearly fifty years. He served his apprenticeship with Joze & Co., Dame Street. Shortly after qualifying as a pharmaceutical chemist in 1896 he opened a pharmacy at 19 and 20 Cornmarket, where he built up an extensive business. For some years past Mr. Farrington has had the assistance of one of his daughters, Miss Anastatia Farrington, M.P.S.I., who is continuing her father's business. A second daughter, Dr. Mary Farrington, is in practice at Terenure. On June 2 a requiem mass for Mr. Farrington was celebrated by the Very Rev. Canon Farrington (his brother) at St. Joseph's Church, Terenure, and the funeral took place subsequently. The Pharmaceutical Society of Ireland was represented at the church by Mr. D. Warwick, P.C. (vice-president), Mr. F. J. Fitzpatrick, P.C. (treasurer), and Mr. J. J. Kerr, P.C. (registrar).



MR. A. FARRINGTON, M.C.P.S.I.

HUGHES.—At St. Mary's Private Hospital, Clifton, on June 2, Mr. David Hughes, chemist and druggist, of the representative staff of the Crookes Laboratories (British Colloids, Ltd.), Park Royal, London, N.W.10, aged sixty-two. Mr. Hughes was born at Portmadoc, and served his apprenticeship at Hampstead. After qualifying he joined the staff of John Bell & Co., later purchasing a business in Bath which was sold eventually to Hodders, Ltd. He then joined the representative staff of Mr. W. Martindale, and afterwards was the representative for Burroughs Wellcome & Co. in Wales, until in April 1920 he joined the Crookes Laboratories. Mr. Hughes was a talented artist, an excellent musician and a keen gardener, while at one time his golf handicap was the envy of his many friends. In addition he was a middleweight amateur boxer. In the West Country he made hosts of friends.

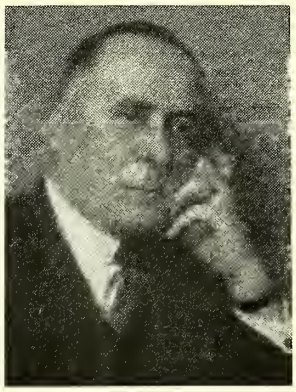
JONES.—At Valley, Anglesey, on June 2, Mr. John Jones, chemist and druggist, Holyhead, aged eighty-one.

MELROSE.—Recently, Mr. William Melrose, chemist and druggist, 23 Charles Street, Greenock. Mr. Melrose qualified in 1889.

SMITH.—On May 28, suddenly, Mr. Sam Smith, chemist and druggist, 28 The Drive, Tonbridge, aged seventy-four.

# Personalities

MR. H. C. EDWARDS, who recently retired from the position of buyer in the sundries department of Boots Pure Drug Co., Ltd., was entertained to dinner at the Waldorf Hotel, London, W.C.2, on June 1 by some thirty-five business friends. This function was arranged in appreciation of the many kindnesses he had shown them over a period of some thirty-eight years which he had served Messrs. Boots. A presentation in the form of a gold watch and study furniture was made to Mr. Edwards by his secretary, Miss Callow, on behalf of the friends who arranged the dinner.



MR. H. C. EDWARDS

CERTIFICATES OF NATURALISATION have been granted to P. C. M. L. Goransson, representative of chemical manufacturers, 7 Ederline Avenue, Norbury; I. Hipshon, physician and surgeon, "Broomville," Harehills Lane, Leeds; A. M. Nussbrecher, medical practitioner, 10 Firsby Road, Stoke Newington.

MR. ALEC MCLEOD, chemist and druggist, Sidcup, after being chairman since the foundation of the movement, has reluctantly relinquished that office in the National Workers' Sports Association, but will be responsible for the staging of the Workers' Olympiad, to be run in connection with the Tolpuddle Martyrs' Centenary at Dorchester on August 30, 31 and September 1.

THE interest for pharmacy and the drug trade in the Birthday Honours List is unusually slight. The new knights include Major R. G. Archibald, C.M.G., D.S.O., M.D., director of the Wellcome Tropical Research Laboratories in the Sudan; Dr. Comyns Berkeley, of the Middlesex Hospital; Dr. W. H. Moberly, Vice-Chancellor of Manchester University; and Professor G. Elliot Smith, of University College. The K.B.E. is awarded to Dr. F. G. Banting, the discoverer of insulin, and to Sir Thomas Robinson, late chairman of the Dyestuffs Advisory Licensing Committee. The customary promotions to higher classes of orders previously conferred also contain a few names known to our readers.

# Trade Notes

IRADIUM DE DIXOR.—Dixor, Ltd., Danemere Street, London, S.W.15, inform us that ample supplies of their skin tonic, Iradium de Dixor, are now available.

SOAPLESS SHAMPOOS in the form of powders and compressed tablets are advertised in this issue by William Toogood, Ltd., 77 Southwark Street, London, S.E.1.

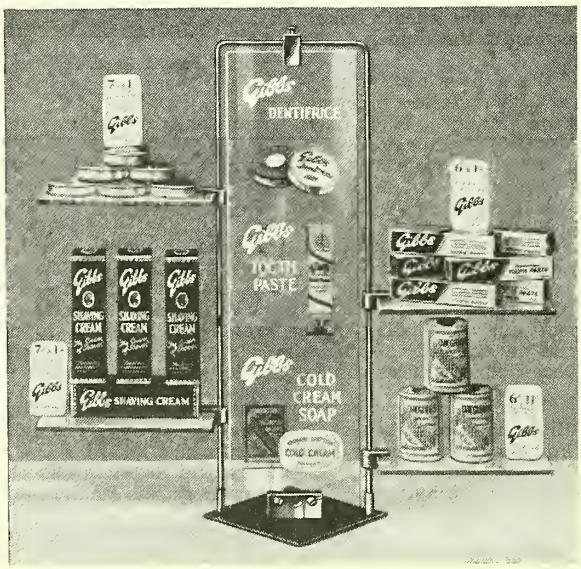
PYRETHRUM EXTRACTS for preparing sprays suitable for domestic or horticultural purposes are obtainable from C. F. Gerhardt, Ltd., 5 Fenchurch Street, London, E.C.3.

BOB MARTIN, LTD., Southport, have brought out a soapless shampoo powder for washing dogs. It is claimed that by the use of this new product it is "possible to wash a dog every week without dulling its coat, or taking away that lovely 'bloom' which every dog owner likes to see on his dog's coat." The powders are supplied in packets, seven being enclosed in an outer, which, together with the showcard, are shown in the accompanying illustration.

CLOSED FOR OUTING.—R. J. Reuter Co., Ltd., 69 Carter Lane, London, E.C.4, and The 4711 Factory, Bedford Avenue, Trading Estate, Slough, will be closed on Saturday morning, June 23, the date of the annual outing to Margate.

ELI LILLY & CO., LTD., 2 Dean Street, London, W.1, have issued a price list of their pharmaceutical and biological specialities. In view of the increasing demand for the company's products a copy of this list should be in possession of every chemist.

GIBBS' DISPLAY UNIT.—We have received from D. & W. Gibbs, Ltd., Wapping, London, E.1, the neat and practical display unit illustrated herewith. The upright glass is 21 in. high, and is surrounded by a chromium-plated




bar allowing the side shelves to be fixed to any height. The base is sufficiently heavy to support a good weight. These units, we understand, are supplied with certain orders for Messrs. Gibbs' preparations.

BUTLER & CRISPE, 80 Clerkenwell Road, London, E.C.1, are the distributors of Dr. Ritsert's Rhinoculin Cream for hay fever.

SECCOTINE, the well-known adhesive of McCaw, Stevenson & Orr, Ltd., Belfast, is now being sent out in attractive display outers.

PHOS-LAX, LTD., have appointed Henry Holt & Co., Ltd., Australia House, Strand, London, W.C.2, distributors of Phos-Lax brand tonic laxative.

MR. KENNETH DEMUTH, who has joined the staff of Demuth's Laboratories, 68 Salusbury Road, London, N.W.6, will shortly be calling upon customers and the trade generally.

PHOTOGRAPHIC LIST.—John Thompson (Wholesale Druggists 1921), Ltd., 27 Duke Street, Liverpool, 1, have brought out a new price list of photographic apparatus and materials.

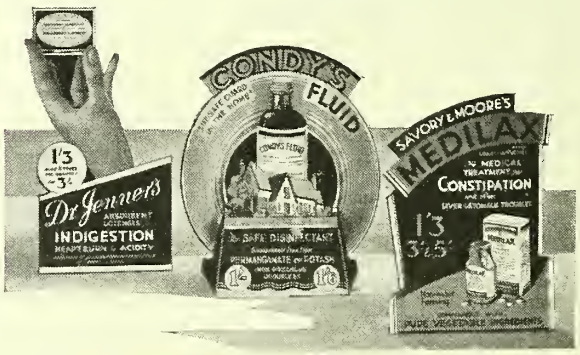
VENO DRUG CO., LTD., Veno Buildings, Manchester, 16, have prepared new display material for Dr. Cassells tablets and Germolene. These will be sent on application free of charge to any chemist.

EDWENIL.—E. H. Spicer & Co., Ltd., Watford, have published an informative brochure on "The Endotoxic Infections and their Control with Edwenil." A copy of this publication is obtainable on request.

RICHARD DANIEL & SON, LTD., Mansfield Road, Derby, have sent us a copy of their newly-published price list of proprietary articles. Owing to its bulky nature this catalogue ($9\frac{3}{4}$ in. by 6 in., pp. 232 + 63) is confined to patents, separate lists being issued for drugs, chemicals, packed lines, surgical dressings and so forth. Either of these lists is obtainable on request.

BRITISH XYLONITE CO., LTD., Hale End, London, E.4, announce the introduction of a new Halex toothbrush—the shortheaded No. 8. This brush should meet a demand in more ways than one. It is packed in a carton on which the size, shape and colour is marked. The company is also supplying a showstand to chemists who can make use of it, and there is a bonus offer available until the end of this month.

A NEW LINE.—Luxera Sponge Co., 101 Leadenhall Street, London, E.C.2, have placed on the market under the designation Luxera sponge an article which should quickly become popular. It comprises pieces of natural sponge encased in Turkish towelling, and among the advantages claimed for it over ordinary sponge are that it does not become slimy and wears longer. This inexpensive product is supplied in various attractive colours, it measures approximately 6 in. by 6 in., and is enclosed in transparent tissue. Luxera sponge is obtainable through the usual wholesale channels.




NEW CUT-OUT SHOWCARDS BEING ISSUED BY PHARMACEUTICAL PRODUCTS, LTD.

On the occasion of the visit to Port Sunlight of H.R.H. the Duke of York to open cottages for pensioners of Lever Brothers, Ltd., he was presented with special caskets for himself and the Duchess of York which contained many products well known to chemists, notably those of Vinolia Co., Ltd. Special presentation boxes were also

prepared for the royal princesses, two containing a collection of Vinolia soap eggs and another an assortment of the miniature packages provided by Lever Bros, Ltd., and Vinolia Co., Ltd., in the hope that they would be of service in the royal doll's house. The caskets and the boxes are shown in the accompanying illustration.

# Westminster Wisdom

**Notes on Parliamentary Matters**

INSULIN

During the consideration in Committee of the Finance Bill, on June 4, in the course of the discussion on clause 5 (repeal of Customs duty on insulin), the Chancellor of the Exchequer (Mr. Chamberlain) said that if the history of this question were examined, it would be seen that the imposition of the 33⅓ per cent. duty upon imported insulin under the Safeguarding of Industries Act was a kind of accident. When the list of articles comprised within the term "fine chemicals" was published by the Board of Trade insulin was not included. This omission was challenged by the Association of British Chemical Manufacturers. The Board of Trade took up the challenge. They opposed the inclusion of insulin in the list and, therefore, they opposed the imposition of the duty of 33⅓ per cent. upon imported insulin. The matter was taken before a tribunal, and the tribunal decided that insulin must be included in the list of fine chemicals. The purpose of the Association of British Chemical Manufacturers in taking this question of insulin to the tribunal was not that they were particularly interested in insulin itself; it was that they were anxious to establish what they considered to be an important principle to them, namely, that certain biological and glandular products should be defined as "fine chemicals." Having obtained the establishment of that principle, which they did by the decision of the tribunal, they were not particularly interested in the question of insulin, which is not, from their point of view, of very great importance. Having received the decision of the tribunal, the Board of Trade had no option in the matter. They were advised at once to impose a duty of 33⅓ per cent., and automatically then insulin ceased to be liable to the original *ad valorem* duty of 10 per cent., which had been placed upon it before the safeguarding duty was imposed. In conclusion, Mr. Chamberlain said that the actual duty which is now in existence had not been put on in consequence either of an examination into the case or because it was a deliberate part of the policy of the Government; secondly, that other things being equal, he thought one should try to remove from the minds of diabetics the fear that they are being made to pay more than they need do for what is an essential of life to them, and in the third place the position is now left, if the clause is passed, so that it is always possible for the manufacturers to make an application to the Import Duties Advisory Committee, and the procedure will be gone through with which the Committee is already so familiar.

The clause was agreed to without a division.

# Trade-Mark Applications

**The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1934, p. 304.**

(*From "The Trade Marks Journal," May 30, 1934.*)

"EZOIDON" on design of circle enclosing bowl; for bath salt tablets (3) and (48). By H. Edelmann, 41-44 Huttenstrasse, Berlin, N.W.87. 546,038/039. (Associated.)

"HIND BRAND" on circular design of jumping hind; for chemicals (2). By T. Ryan, Somerville & Co., Ltd., Hindlow, Buxton. 548,281. (Associated.)

"SOLGARD"; for surgical instruments, etc. (11). By S. Sigal & Co., Ltd., 6 Swan Street, London, E.1. 550,197.

"SHELL BRAND" on design of shell on square shape for perfumery, etc. (48). By Shell-Mex & B.P., Ltd., Great St. Helens, London, E.C.3. 539,145. (Associated.)

"VERPINE A CHECK TO INFECTION" on check design; for toilet soap (48). By Fox, Stockell & Co., and The Verpine Co., 61 St. Mary Axe, London, E.C.3. 542,087. (Associated.)

"KARESS"; for all goods (48). "SPRINGTIME IN PARIS"; for perfumery, etc. (48). By Bourjois, Ltd., Queen's Way, Croydon. 544,477 (Associated); 548,271.

"EUCREX"; for powders for cleaning artificial teeth (48). By Eucryl, Ltd., 5 and 6 Oakley Road, Shirley, Southampton. 546,906. (Associated.)

"HAYRDAX"; for perfumery, etc. (48). By L. T. Flittner, 29 Highbury Grove, London, N.5. 548,638.

"POND'S" over conventional floral design; for talcum powder, face powder, skin cream, dentifrice paste and perfumed soap (48). By Pond's Extract Co., Ltd., Wadsworth Road, Perivale, Greenford, Middlesex. 548,835. (Associated.)

"FILTEX"; for preparations for the hair, teeth and nails and vanishing cream (48). By Filtex, Ltd., 30 Farrer Road, Hornsey, N.8. 548,913.

"ETHNIE"; for perfumery, etc. (48). By C. E. Naylor, 45 Cross Street, Manchester, 2. 549,147.

"DURAFIX"; for preparations for the hair (48). By Ilex Supply Co., Ltd., 252B Gray's Inn Road, London, W.C.1. 550,160.

"NOPARA"; for preparations for the hair (48). By A. B. Curtis, 6 Ludgate Circus Buildings, Farringdon Street, London, E.C.4. 550,248.

# Coming Events

**This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc. occur.**

**Wednesday, June 13**

*Manchester and District Pharmaceutical Golfing Society.* Sale golf course. Kerfoot trophy.

**Thursday, June 14**

*West Ham and Eastern District Association of Pharmacists and Branch of the Pharmaceutical Society.* Annual outing to Cobham Hall.

*Telegrams: "Atoleine Sedist, London."*

*Telephone: Bermondsey 1141*

LOTIL SUNBURN CREAM

SOOTHING, HEALING, PROTECTIVE

For use against Sunburn, Soreness, Chafing and Dryness of the Skin.

*Send for Sample & Prices*

*John Bell Hills & Lucas Ltd.*

*Oxford Works, Tower Bridge Road, London, S.E.1*

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**KILLS ALL INSECTS**

**CUPAL LTD. BLACKBURN**

**OPTICAL TUITION**

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**S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations**

Particulars :—

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**'LUMINAL'**

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When 'Luminal' is specified on *any* prescription, the Chemist is legally bound to supply the Original product. Substitutes are liable to give different clinical results from the Original.

In order to protect doctors and patients we shall protect our Trade Mark rights by vigorous action.

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**EXTRA RECTIFIED ALCOHOL FOR PERFUMERY**

*Write for Prices*

JAS. BURROUGH Ltd. 1 Cale Distillery, LAMBETH, S.E.11

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**THE ART OF DISPENSING.**

The tenth edition of this well-known work is now ready. The book has been thoroughly revised and considerably improved, while maintaining the features which have made it so popular with several generations of students. It is kept by chemists in the dispensary for ready reference in cases of difficulties arising in the course of the day's work. Price 8s. net, by post 8s. 6d.

**THE "*C. & D.*" PRICE LIST FORMULARY, "P.L.F."**

All users of the *C. & D.* Retail Dispensing Price List require a copy of this Formulary. It brings together the formulas for unofficial preparations, the prices of which are quoted in the Price List. It is a choice collection of good formulas for articles in everyday request by the public. Price 2s. 6d. post free.

**PROVINCIAL HOSPITAL PHARMACOPŒIAS.**

Uniform with the "Chemists' Dictionary," contains 296 pages and consists of formulas for medical prescriptions used in twenty-two hospitals and infirmaries in Great Britain outside the London district. Price 3s. net, by post 3s. 2d.

**PHARMACEUTICAL FORMULAS (P.F. Vol. I).**

The tenth edition of this, the most complete pharmaceutical formulary in the English language, is devoted to the official and semi-official preparations of practically every country in the world. This volume (published 1929) contains 1146 pages. Price 15s. net, by post 15s. 9d.

**THE PHOTOGRAPHIC CHEMIST.**

This is a concise guide to chemists commencing and carrying on a photographic department. Price 3s. 6d. net, by post 3s. 8d.

**PRACTICAL METHODS OF URINE ANALYSIS.**

The object of this book is to give chemists exactly the information they want on the subject. The book was written by a pharmacist who was an expert in this work, and has been revised by a medical practitioner and lecturer of long experience in clinical analysis. (Fourth Edition). Contains 97 pages. Price 4s. net, by post 4s. 3d.

**THE CHEMISTS' DICTIONARY OF MEDICAL TERMS.**

A small book which explains the meaning of medical terms as to which customers often inquire from chemists. In addition to concise definitions of these technical terms, notes are given on the treatment of the more important ailments. Price 3s. 6d. net, by post 3s. 8d.

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# Information Department

### INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

E/28. Creomalt (made by The Empire Drug Co., London)

N/66. Diatergol

B/16. Dotren (made by the Santoss Pharmaceutical Co.)

A/26. Hemostatogen

A/26. Lashlura

T/29. Nectorine (for greyhounds)

E/66. Omelay's tablets

THE
CHEMIST AND DRUGGIST
VOL. CXX. JUNE 9, 1934 NO. 2835

## Style in Window Dressing

MANY chemists have not yet fully realised the £s.d. value of their windows. They would do well to spend an afternoon making a study of the care with which the departmental stores, chain stores and co-operative societies in their district dress their windows. The successful retailer nowadays is not usually a man with a single bright idea, but one who consistently extracts the last farthing of legitimate revenue from every possible direction. Much has been written on shop-window display, but the room for improvement is still considerable. What is the real purpose of the window? This still requires careful consideration, for opinion is yet far from unanimous as to what the window should be used for. Some retailers employ the window to exhibit a summary of their stock; others select specially attractive lines and display them; while a large number save themselves effort by placing their windows at the disposal of manufacturers who supply, and often erect, ready-made displays advertising branded lines. The class of trade sought must always be a deciding factor in determining the character of the window as well as in choosing stock. A window that would attract business in the East End would repel it in the West. But if there is one thing a retailer can be trusted to know, it is the class of trade of his locality. But, even so, it will be wise to remember that while the poor are as keen on value as ever, they are becoming increasingly susceptible to style and display.

### Lighting

The selling power of modern lighting as applied to shop windows is already widely appreciated. Sheer light, as opposed to intermittent flashes, still has much to commend it. While flashing devices have much to be said for and against them, simple methods of giving to windows an appearance of warmth and cheerful colour are invaluable. Many electric-supply companies offer special rates for window lighting after business hours. The chemist must be continually on the look-out for ideas that tie up with the public mind at the moment. A national advertising campaign for a particular product calls for a window display either of that product alone or of all products of the same type. Co-operation with manufacturers is essential to success, but it may be asked if some chemists are not too ready to lend their windows to manufacturers. Window displays are of enormous value and have many advantages over newspaper advertising. It is much more useful to put the name of a product into a housewife's mind as she is passing the shop than at the breakfast-table when she is looking through the morning paper. Once chemists realise the cash value of their windows, they will be more anxious to exploit them. Whilst manufacturers often allow a special discount in consideration of a window display, it would be much better to hire the window to manufacturers at a definite rate per week and so place the matter on a clear-cut commercial basis. How often should a window be changed? It pays to dress it each week, preferably on the Thursday evening, so that it is new for week-end trade. A good plan is to encourage one of the younger assistants to take a special interest in the window, so that he is on the look-out for new ideas. He can try out simple yet effective schemes for backgrounds and embody features that will give distinctiveness and attract attention. For this purpose he cannot do better than commence with those which are illustrated in the *C. & D.* "Display" supplements. A common mistake made by some traders is to have the window out of action on Sundays. Sometimes the window is empty: sometimes a blind is drawn—yet Sunday is a day of strolling crowds, when ideas have leisure to germinate. To shut down the advertising power of the window on that day is to miss an opportunity. Window display inevitably raises the question of the window bill. Well-displayed merchandise, properly ticketed, is always so much more convincing than too many window bills, but a catchword or phrase or special price on a small strip has great value. Where the manufacturer really has some news, such as a price reduction, or a new packing, the retailer, in his own interest, should display it.

## Japan Prepares to make Casein

OUR Yokohama correspondent states that the Hokkaido Butter Manufacturers' Federation has submitted to the Government a plan for making casein, which may be outlined as follows:—Casein is to be produced in Japan sufficiently to cover the demand. At present about 90 per cent. of the consumption is imported. At first casein will be made by the Federation for military purposes, for which arrangements will be made at an early date. The Federation makes 90 per cent. of the butter in Japan and controls the supply of milk in the Hokkaido. The Federation intends supplying 70 per cent. of the total demand in ten years commencing 1934, on the basis of the following estimate of the yearly supply and demand for the period:—

| Year | Milk Fat | Casein Production | Demand | Proportion of Production to Demand |
|---|---|---|---|---|
| | "koku" | "kin" | "kin" | Per cent. |
| 1934 ... | 118,870 | 1,188,700 | 2,685,737 | 32·3 |
| 1935 ... | 128,838 | 1,368,380 | 4,054,310 | 33·8 |
| 1936 ... | 167,764 | 1,677,640 | 4,459,741 | 37·6 |
| 1937 ... | 189,972 | 1,899,729 | 4,905,715 | 38·7 |
| 1938 ... | 217,589 | 2,175,890 | 5,396,286 | 40·3 |
| 1939 ... | 353,787 | 3,577,870 | 5,935,914 | 59·6 |
| 1940 ... | 402,615 | 4,026,150 | 6,529,505 | 61·7 |
| 1941 ... | 490,973 | 4,909,730 | 7,182,455 | 68·4 |
| 1942 ... | 559,493 | 5,584,950 | 7,900,700 | 70·7 |
| 1943 ... | 635,207 | 6,352,070 | 8,690,770 | 73·1 |

The Federation projects starting production with a capital of 521,000 yen as the cost of equipment at 15 refining factories and 150 raw casein factories.

# Pharmaceutical Society of Great Britain

## Council Meeting

THE monthly meeting of the Council was held at 16 Bloomsbury Square, London, W.C.1, on June 5 and 6. A letter of apology for absence was sent by Mr. Marns, and Sir Malcolm Delevingne and Sir Humphry Rolleston were also absent.

### TUESDAY'S PROCEEDINGS

Among the business transacted by the Council at their meeting on June 5 were the following items:—

The Anglesey Branch forwarded the following resolution:—"That the secretary of the Pharmaceutical Society be asked to take immediate steps to secure an official status for the qualified dispenser in His Majesty's Forces, this matter being urgent in view of the large number of qualified persons out of work." The secretary was instructed to explain to the Branch the steps which had been and were being taken by the Council in the direction indicated.

The following persons were selected for appointment to the Statutory Committee under the Pharmacy and Poisons Act:—Mr. T. Guthrie, Mr. A. R. Melhuish, Mr. E. T. Neathercoat, Mr. E. S. Peck, Mr. A. Sugden.

### DEATHS

At the outset of the proceedings on June 6 MR. JOHN KEALL, who occupied the chair, made sympathetic reference to the deaths of Mrs. Rowsell and others known to the Society. Referring to Mrs. Rowsell, he said he and his wife especially regretted her death because some six weeks ago they had the pleasure of being the guests of Mr. and Mrs. Rowsell. Mr. Keall also made suitable reference to the deaths of Mr. H. Wyatt, Ph.C., of Liverpool, formerly a divisional secretary for the Society, and a member of the Board of Examiners for many years; Mr. Arthur Peverell, of Bishop Auckland, the treasurer of the Durham Branch since its inception; and Dr. H. C. Kassner, of New York, an American student of pharmacy, who was the first student from abroad to study in the Society's Research Laboratories and who gained the degree of D.Ph. in the University of London.

### GIFT TO THE SOCIETY

MR. KEALL referred with gratification to a number of engravings of celebrities who had been connected with the Society, which had been presented by Mr. Quarrell, the Society's solicitor. His suggestion that a letter of thanks should be sent to Mr. Quarrell was cordially adopted.

### A PERSONAL REFERENCE

MR. KEALL made a special reference to the fact that through the exigencies of the election Mr. Parry was no longer a member of the Council. He had occupied that position for no fewer than twenty-one years, and his colleagues much regretted his departure, but they hoped the time was not far distant when they would be able to welcome him back. (Hear, hear.)

### RE-ELECTION OF PRESIDENT

The next business was the election of officers. After a discussion in committee it was decided to dispense with the usual method of election by ballot and the use of voting papers. It was explained that on the previous evening a trial ballot had revealed a unanimous desire to appoint certain members, and the Council agreed that the election should proceed by the method of voting in open Council.

MR. MELHUISH said he would like to have the honour and pleasure of proposing that Mr. John Keall, the retiring president, be elected for the ensuing year. He said he felt that in proposing Mr. Keall for the office they would be not only honouring him but also honouring themselves. The resolution was carried unanimously and with acclamation.

MR. KEALL, in returning thanks, said it would be idle for him to say he was not highly gratified at being re-elected, and also by the manner in which the re-election had been carried out. He had had a delightful, interesting and wonderful year, and he was grateful for the opportunities of continuing the service to the Council which he had been able to render.

### RE-ELECTION OF VICE-PRESIDENT

MR. ROWSELL proposed that Mr. E. Saville Peck should be re-elected to the office of vice-president. He said that was not the occasion for making speeches, but they all knew the work that Mr. Peck had done.

MR. BEARDSLEY seconded, and coupled with the resolution the thanks of the Council for what Mr. Peck had done during the year. The resolution was carried unanimously and with enthusiasm.

MR. PECK, thanking the Council for re-electing him, offered sincere congratulations to Mr. Keall on being re-elected president at this time, when the office was of increasing importance and usefulness. He was especially grateful that the Council had done him the honour of re-electing him to the position of vice-president. The past year had been one of anxiety in their efforts to act for the good of the public generally and of pharmacy in particular. He was especially mindful of the kindly consideration of the members of the Council, their willing co-operation and the confidence they had shown in him. They might rest assured that he would do all he could to merit the renewal of their confidence.

### RE-ELECTION OF TREASURER

Mr. Jenkin, the treasurer of the Council, was re-elected on the proposition of MR. HARDY, seconded by MR. SIMMONS.

MR. JENKIN, acknowledging the compliment, said that the work of treasurer was in some senses an arduous job, but it was lightened by the finance department of the Council and the advice always genially given by the secretary. The experience which he had gained during the past two years would enable him, perhaps, to be of more use than he had been hitherto.

### ELECTION OF OFFICERS AND COMMITTEES

The officers of the Society were re-elected, and the standing and other committees were elected. The committees are the same as those recorded in the *C. & D.*, 1933, I, 624, with the following exceptions:

Mr. Dick replaces Mr. Parry on the Finance, Publications, Education and Codex Committees.

Mr. Beardsley has been elected to the British Pharmaceutical Conference Executive in place of Mr. Melhuish, who has been transferred to the Public Services Committee.

### AMENDMENT OF BY-LAWS

The proposed amendments to the by-laws (see p. 651) were read a first time.

### STANDING ORDERS ADOPTED

THE PRESIDENT moved that the standing orders of the Council be adopted, with the exception of the first order, and this was agreed to.

### ELECTIONS AND REGISTRATIONS

Six persons were elected as student-associates. The registrar reported that eighty-four persons had been registered as apprentices or students since the last meeting.

### PETRIE TRUST BURSARY

The result of Dr. Tocher's examination in connection with the Petrie Trust bursary showed that five candidates had come forward, and that Alfred Simpson had obtained

the highest number of marks, 85 per cent. All the candidates had attained high marks, Victor M. Bond having obtained the second place with 79 per cent. In the circumstances it was suggested that Mr. Bond should have a special award, a copy of the British Pharmaceutical Codex.

THE PRESIDENT suggested that the thanks of the Council be tendered to the Aberdeen Pharmaceutical Association for arranging the examination and to Dr. Tocher for conducting it.

### VICTORIA UNIVERSITY OF MANCHESTER

A letter was read from Manchester University informing the Council that there was one candidate taking the B.Sc. examination, with pharmaceutics as his subject, and sending the names of the examiners.

THE SECRETARY explained that this degree was one accepted by the Society *pro tanto* towards the Pharmaceutical Chemist examination. It was necessary that these members should be appointed members of the Board of Examiners under the Pharmacy Act. Following the practice the Council adopted in the case of the London University, he submitted the following names for appointment as special examiners:—Messrs. O. G. Burkhardt, J. M. F. Drummond, R. Whytlaw Gray, James Grier, J. E. Myers, Frederick Ernest Weiss. It was decided that a copy of the resolution be sent to the Privy Council.

### EDUCATION COMMITTEE

The Education Committee reported that they had considered a draft of the proposed regulations governing the award of scholarships, and recommended that they be approved and brought into force on January 1, 1935.

As a remit from the Council the Committee had also considered the letter from the registrar of the University College, Nottingham, inquiring whether Nottingham could be included as a centre for the scholarships examination. They now recommended that Nottingham be included as a centre for the scholarships examination to be held in 1935 and subsequently.

The Committee considered the summary of the replies from the branches to a letter inviting opinions and suggestions regarding the conditions of vacation courses. From a survey of the replies received it was clear that sufficient support would not be forthcoming to justify a vacation course being held in London this year. The Committee had not found it possible to consider fully the suggestions received from the branches, and these would be considered at a subsequent meeting. They recommended that a vacation course be not held in London during 1934.

THE VICE-PRESIDENT said the Committee were very grateful to the branches for having considered the question of the vacation courses and sent in some useful replies. The suggestions received would be considered at a subsequent meeting and a further report presented. The Committee were convinced that at the present moment it would be impossible to hold a vacation course in 1934. The report was adopted.

### BENEVOLENT FUND COMMITTEE

The report of this Committee showed that eleven applications had been considered during the month, and grants made ranging from £13 to £26. The following special contributions were acknowledged:—Manchester and Salford Branch, £24 7s. 10d.; West Glamorgan Branch, £21; C. J. U. Bellamy, £10 10s.; Hull Chemists' Association, £5 5s.; Hull Chemists' Association and Hull Pharmaceutical Students' Association, £4 15s.; Middlesbrough and District Pharmacists' Association, £5 5s.; South-West London Chemists' Association, £5 5s.; C. W. Higgins, £3; Northampton Pharmacists' Association, £2 10s.; Brighton, Hove and District Junior Association of Pharmacy, £2 2s. 6d.; Warwickshire Branch, £2; Leicester Branch, £1 7s.; H. M. Hirst, £1 3s. 6d.; Southport and District Branch, £1 0s. 3d.; R. R. E. Perkins, £1; J. A. R. Dick, 15s. 6d.; Southampton and District Branch, 13s. 8d. Orphan Fund.—Hull Chemists' Association, £2 2s.

### WAR AUXILIARY BENEVOLENT FUND

The Committee of this fund reported that they had considered six applications and had made grants ranging from £10 to £26. The report was adopted.

### FINANCE COMMITTEE

The financial statement showed that the receipts since the last meeting, including a balance of £51 5s. 7d., amounted to £10,507 4s. 11d., comprising the following items:—Retention fees, £699 6s.; subscriptions, £26 15s. 6d.; college fees, £17 10s.; registration fees, £210; restoration fees, £6 6s.; examination fees, £1,934 2s.; Pharmacological Laboratories, £284 18s.; penalties and expenses, £60 5s.; interest, £6 4s. 2d.; rentals, £385 12s. 6d.; "Pharmaceutical Journal," £1,599 8s. 10d.; Pharmaceutical Press, £1,731 19s. 11d.; F.S.S.U. contributions, £11 16s. 4d.; F.S.S.U. transferred from S.S.S.S. account, £170 10s. 9d.; F.S.S.U. refunded by University, £31 15s.; insurance commission, £14 1s. 9d.; sundries, £15 7s. 7d.; transferred from deposit account, £3,250. Payments ordered at the last meeting amounted to £10,481 14s. 7d., leaving a balance of £25 10s. 4d. The balances on the other accounts were:—Benevolent Fund (current account), £42 18s. 8d.; Benevolent Fund (donation account), £38 18s.; War Auxiliary Benevolent Fund, £91 10s. 4d.; Hills Orphan Fund, £23 4s. 11d.; Orphan Fund, £5 10s. 9d. Accounts amounting to £7,491 8s. 9d. were passed for payment, and the action of the secretary in making payments amounting to £1,364 18s. 6½d. was approved.

### LAW COMMITTEE

The report of the Law Committee, presented by MR. HARDY, stated that in England and Wales, since the last report, 628 shops have been visited; of these 422 were chemists' shops. In all the chemists' shops certificates were exhibited. At twelve of the remaining 206 shops visited certain infringements of the Pharmacy Acts were reported. In Scotland, since the last report, seventy shops have been visited, of which sixty-nine were chemists' shops. In all the chemists' shops certificates were exhibited.

This was all the public business.

## Proposed Amendments to By-Laws

### PRELIMINARY

LAST LINE.—Add:—" and 'registered as a pharmacist' shall mean and intend duly registered in the Register of Pharmaceutical Chemists or the Register of Chemists and Druggists kept in accordance with the provisions of the Pharmacy and Poisons Acts, 1852 to 1933."

### SECTION II.—HONORARY AND CORRESPONDING MEMBERS

1. A person who is nominated by the Privy Council to be a member of Council, under the provisions of the Pharmacy and Poisons Act, 1933, shall, if not registered as a pharmacist, be an honorary member of the Society while so holding office.

2. The Council may at its discretion elect as honorary members, or as corresponding members, such scientific workers as have distinguished themselves in any of the branches of knowledge embraced in the educational objects of the Society and such persons as have rendered distinguished service to the Society.

3. The Council shall from time to time determine the number of persons to be honorary members other than members of Council nominated by the Privy Council and the number of persons to be corresponding members. The secretary shall keep special books in which shall be entered the names of persons suggested for election as honorary or as corresponding members. The Council at its meeting in April of every year may select names from the books so kept, not exceeding in number the vacancies in the lists of honorary members or of corresponding members respectively, and the names of the persons so selected shall be exhibited in the Library of the Society until the meeting of the Council in the ensuing month, when the Council shall proceed to the election.

### SECTION V.—ELECTION OF COUNCIL AND AUDITORS

4. The Council shall at its monthly meeting, held in April of every year, prepare a list of all members nominated for

election and willing to be elected members of Council and auditors for the ensuing year. No nominations shall be received or made after the 18th day of March, except such as may be made by the Council in the manner and under the circumstances hereinafter stated at the monthly meeting in April.

5. If the number of members nominated and willing to accept office is less than the number of vacancies, the Council shall nominate as many as may be required to form a complete list of members willing to fill all the vacancies in the Council and a complete list of five auditors ; the members named in the lists so formed shall at the annual general meeting be declared by the chairman to have been elected. If the number of members nominated and willing to accept office is equal to the number of vacancies, such members shall at the annual general meeting be declared by the chairman to have been elected.

6. Except in the circumstances for which provision is made in the last preceding by-law, the secretary shall issue to every member qualified to vote, not less than ten days prior to the meeting at which members of the Council and auditors are to be elected, a voting paper for such elections. The names and addresses of the members willing to serve if elected shall appear in such voting papers.

[The text of the proposed voting papers, with instructions for voting, is inserted.]

SECTION VII.—EXAMINERS—EXAMINATIONS—FEES

1. The Council shall, at its meeting in October, in every year, appoint such competent persons in Scotland as it shall to be examiners for the year to commence on the then following first day of January, to conduct all such examinations as are provided for or contemplated by the Charter, or by the Act, 1852, or by the Act, 1868, and the persons so appointed shall, for the time being, constitute and be called the Board of Examiners for England and Wales.

2. The Council shall, at its meeting in October, in every year, appoint such competent persons in Scotland as it shall think fit to be examiners for the year to commence on the then following first day of January, to conduct all such examinations as are provided for or contemplated by the Charter, or by the Act, 1852, or by the Act, 1868, and the persons so appointed shall, for the time being, constitute and be called the Board of Examiners for Scotland.

10 (*c*). Present themselves to the examiners for examination in pharmaceutical chemistry, pharmaceutics, pharmacognosy (including the translation and dispensing of Latin prescriptions), physiology and forensic pharmacy, which examination shall be called the Pharmaceutical Chemist Qualifying examination. The scope of the examination in these subjects and the standard of knowledge thereof to be required by the examiners shall be such as may be prescribed by the Regulations.

11 (*c*). Present themselves to the examiners for examination in pharmaceutical chemistry, pharmaceutics, pharmacognosy (including the translation and dispensing of Latin prescriptions), physiology and forensic pharmacy, which examination shall be called the Chemist and Druggist Qualifying examination. The scope of the examination in these subjects and the standard of knowledge thereof to be required by the examiners shall be such as may be prescribed by the Regulations.

12. All persons shall, upon their registration as apprentices or students, pay to the registrar a fee of two guineas.

All persons entering for the Preliminary Scientific examination conducted by the Board of Examiners appointed by the Council in accordance with the by-laws shall pay a fee of six guineas, except that a person who has passed one or two subjects in one of the Preliminary Scientific examinations other than that conducted by the Board shall pay a fee of two guineas in respect of each subject in which he offers himself for examination by the Board. Persons who have failed in one subject only may offer themselves for re-examination in that subject if permitted to do so by the examiners.

All persons submitting to the Board of Examiners a certificate that they have passed one or more subjects in one of the Preliminary Scientific examinations prescribed by the Regulations, other than the Preliminary Scientific examination conducted by the said Board, shall pay a fee of two guineas.

All persons presenting themselves for either of the Qualifying examinations will pay a fee of twelve guineas.

Persons who in either of the Qualifying examinations have failed in one subject only may offer themselves for re-examination in that subject if permitted to do so by the examiners.

SECTION VIII.—REGISTRAR AND REGISTRATIONS

3. A person who has obtained from the Board of Examiners a certificate of competent skill and knowledge and qualification to be registered as a chemist and druggist, or to exercise the calling of pharmaceutical chemist, shall be registered as a chemist and druggist or as a pharmaceutical chemist as the case may be upon his applying to the Registrar for such registration and upon payment of a fee of one-and-a-half guinea if his application is made in the first six months of the year and of 15s. 9d. if his application is made in the second six months of the year provided that (*a*) no fee shall be payable upon registration as a pharmaceutical chemist by a person who is registered as a chemist and druggist at the time of applying for such registration; (*b*) the fee payable for such registration by a person who at the time of applying for registration as a chemist and druggist or pharmaceutical chemist is a student-associate of the Society shall be half-a-guinea if his application is made in the first six months of the year and 5s. 3d. if his application is made in the second six months of the year, such payment not to absolve him from liability to pay any subscription as a student-associate that may be due from him at the time.

4. The fee to be paid in respect of the issue of a certificate of registration by a person who has satisfied the registrar that the original certificate has been lost or destroyed shall be five shillings.

SECTION XV.—BENEVOLENT FUND

2. Donations and such subscriptions as are not required for current needs shall be invested; no part of the invested capital derived from donations shall be distributed among the recipients of relief.

## Branch Meetings

**Leeds.**—The eleventh annual meeting of Leeds and District Branch was held on May 31 at the Metropole Hotel, Mr. J. H. Gough in the chair. Mr. G. C. Crummack, in his report as secretary, said the year had been an active one in many ways. The education subcommittee had done good work in securing acceptance of the scheme for the selection, placing and training of apprentices. The annual dinner, promoted jointly by the Pharmaceutical Society and N.P.U. Branches, was a great social success, thanks largely to the geniality and generosity of Mr. N. H. Burns (chairman of the N.P.U. Branch) and his wife, and there was a gratifying improvement in attendance of practising chemists as well as the usual support from the wholesale side. Mr. Gough, their chairman, had had a very strenuous year in leading the many activities for Conference preparation, and had well earned the esteem and affection of the 446 members of Leeds Branch. Moving the adoption of the report, the chairman said it was a pleasure to work with Leeds chemists and to realise what fine fellows they really were. Mr. N. N. Armitage, supporting, voiced thanks for the complimentary reference to himself, and said he regarded his election as president of the P.A.T.A. as an honour to the whole of Leeds pharmacy. The financial statement was submitted by Mr. P. Dobson in the unavoidable absence of Mr. A. W. Lupton (treasurer). It showed a total income of £46 2s. and a credit balance of £2 17s., against 14s. in the past year. The statement was adopted and appreciative comment made on the generosity of the secretary, who, as in several previous years, had assisted the successful outcome by refunding half his honorarium ; and of the local Branch of the N.P.U., which had borne half the cost of the annual dinner (instead of a third, as hitherto). Mr. W. F. Kemp, presented the Golf Club report. Mr. N. H. Burns (chairman of the N.P.U. branch and holder of the Bowman Cup) hoped every effort would be made to maintain the golf, whether as an official section of the Branch or otherwise. Mr. J. Judge (Wakefield) endorsed that hope. The report was adopted and the new Council authorised to investigate the question of the future conduct of the golf. The meeting formally confirmed the re-election of Mr. J. H. Gough as *Chairman* (elected in 1933 for two years), and of Messrs. P. Dobson (past-chairman) and J. F. Simon (chairman-elect) as *Vice-Chairmen*. Mr. A. W. Lupton and Mr. G. C. Crummack were re-elected *Treasurer* and *Secretary* respectively, warm tribute being paid to their services ; and the following were elected the *Council*: Messrs. J. H. Beacock, H. Gilleghan and N. N. Armitage (*ex-officio* by virtue of long service to the Branch and in a national capacity), E. Buckley, N. H. Burns, W. Eaddie, G. H. Haw, T. Heseltine (Normanton), H. Hodgson (Horsforth), J. Judge (Wakefield), W. F. Kemp, J. Lancaster, F. C. Long, G. A. Nelson and T. Shooter.

# General Medical Council

THE one hundred and thirty-ninth session of the General Medical Council opened at 44 Hallam Street, London, W.1, on May 29, the president (Sir Norman Walker) in the chair. After the customary routine business came the

### PRESIDENT'S ADDRESS,

which opened with tributes to three former members of the Council who had died since the previous session. The first of these was Sir William Whitla, the first representative of Queen's University of Belfast, who was on the Council from 1910 to 1916, and whose fame as the author of the "Manual of Materia Medica" bearing his name was recognised by his election to the Pharmacopœia Committee on the day of his introduction to the Council. The second member who had passed away was Dr. A. G. Barrs of Leeds, a member of the Council for fourteen years. The third was Sir Donald MacAlister, to whose record as a member for forty-three years (including twenty-seven as president) Sir Norman Walker devoted several paragraphs. In addition to other gifts, Sir Donald had shown his grasp of procedure in reducing the average duration of sessions from thirteen days to nine and a half days, although there were now six more members than when he took office. The accounts, continued the president, showed a surplus of £564. The concluding paragraphs of the address were mainly devoted to education, a subject on which the attitude of the Council was clearly stated. The president said:—

It is not possible to frame a medical curriculum which will suit every country or every school in any country, and no hard and fast arrangement of subjects is possible, even if it were desirable. In this connection, the Royal Commission of 1882, on whose Report the 1886 Act is based, said: "It would be a mistake to introduce absolute uniformity into medical education."

The address ended with an intimation of the principal items in the agenda.

### RESTORATIONS

The registrar reported that the names of the following persons had been restored to the Medical Register:—

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|---|---|
| Bour, Edouard F. | McKenna, Francis H. (I) |
| Fitzgerald, Michael J. (I) | Martin, Henry O. |
| Hannesson, Hannes | Mirylees, Oswald M. (S) |
| Kerr, Charles L. (S) | Pincus, Joseph V. (I) |
| Lawlor, Michael (I) | Reid, John B. |
| McDonnell, Alexander J. V. | Williams, Seymour (S) |

### DENTAL BUSINESS

Following a report from the Dental Board (*C. & D.*, June 2, p. 617), it was ordered that the name of Mr. John Holden Beckett, L.D.S., 10 St. Peter's Road, Leicester, be erased from the Dentists Register. In two other cases recommended for erasure, however (those of Mr. Nathan Moss and Mr. Laurence Louis Symmonds), the Council reversed the decision of the Board and ordered that the names be retained on the Register.

### RETIRED PRACTITIONER'S REQUEST

At his own request the name of Mr. Octavius A. G. Collins, M.R.C.S., L.R.C.P., who has ceased to practise, was removed from the Register.

### DISCIPLINARY CASES

The hearing of complaints against medical practitioners occupied, as usual, a considerable part of the session. On the first day two cases were taken. Mr. Peter John Gormley, M.B., Ch.B., 167 Wigan Road, Ashton-in-Makerfield, was originally before the Council a year ago on charges of dangerous and irregular driving. He now addressed the Council and produced testimonials, and was informed that his name would remain on the Register. A similar charge was made against Mr. Victor Cecil Tughan, M.R.C.S., L.R.C.P., 4 Stanton Court, Greenhill, Weymouth, who was ordered to produce suitable testimony at the November session of the Council.

On May 30 it was ordered that the name of Mr. Laurence Handley Ashken, L.M.S.S.A., 28 Hillside Drive, Edgware, who had been the co-respondent in a divorce case, be erased from the Register. The other case taken on the same day related to the publication in a Sunday paper of an article on drugs for insomnia, written in the form of an interview with Mr. James Stansfield Collier, M.R.C.S., L.R.C.P., 30 Wimpole Street, London, W.1. The Council accepted the assurances of the respondent that his motive was not the obtaining of patients.

On May 31 three cases were taken, each of which resulted in the retention of the respondents' name on the Register. The first was a case of canvassing, the second of unlawfully killing, and the third of drunkenness while in charge of a motor car.

### PHARMACOPŒIA COMMITTEE

The report of the Pharmacopœia Committee, which was approved, stated that the total number of copies of the 1932 B.P. sold to date was 34,502. The second report of the Pharmacopœia Commission (incorporated in the Committee's report) gave the total number of members of the medical, chemical and pharmaceutical professions serving on various revision committees as sixty-three. This report continued:—

Good progress has been made with the production of the proposed Addendum to the British Pharmacopœia, 1932, which, it is suggested, shall be published towards the end of the year 1936. The appearance of an Addendum at that time would provide a convenient half-way stage between the British Pharmacopœia, 1932, and its immediate successor. The eleventh United States Pharmacopœia will be published, it is expected, in 1935, and will become official in 1936. The appearance of an Addendum in 1936 would give the opportunity for making those additions and adjustments in the British Pharmacopœia which might be thought advisable in order to secure as great a degree of uniformity as possible in the two Pharmacopœias.

Arising from the comments upon the British Pharmacopœia, 1932, a number of small alterations in standards have been provisionally approved for inclusion in the Addendum, and a number of disputed points are under investigation.

The Commission have given careful consideration to the newer remedies which are coming into general use, and the monographs on a number of new chemical substances and pharmaceutical preparations have been drafted and are under consideration by the Committees.

It is evident that the Addendum and future Pharmacopœias should contain as complete accounts as possible of vitamins, and of antitoxins, serums and other animal products. The Commission have deferred fuller consideration of these subjects until the results of two international meetings, which are to be held during the summer of this year under the auspices of the Permanent Commission on Biological Standardisation of the Health Organisation of the League of Nations, are known. . . . The Commission await with great interest the decisions of these meetings, and will proceed with their consideration of pharmacopœial monographs dealing with these materials as soon as the requisite information regarding international standards and units is known.

Work has been continued actively in the laboratory on subjects arising from the preparation of the Addendum. The detailed review, by the Committees, of the comments on the British Pharmacopœia, 1932, has resulted in the assignment to the laboratory of a large number of investigations on precise points of detail in tests and standards. . . .

It was added that, the Pharmacopœia Commission having raised with the Committee the general question of inclusion in the Pharmacopœia of substances which are the subject of patents or trade marks, or of publishing a select list of such substances either as an Addendum to the Pharmacopœia or as a separate volume, the Committee have appointed a subcommittee to report on this matter.

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A RECORD?—Dr. S. Lipetz, Edinburgh, writing to "The British Medical Journal" (3822, 652) records a case of recovery after taking 600 gr. of aspirin with suicidal intent.

HIDDEN TREASURE.—During recent structural alterations to the premises of Hill-Smith (Warrington), Ltd., chemists, Warrington, a George III penny dated 1806 was found embedded in the fabric.

# Chemists' and Druggists' Society of Ireland

## Annual Meeting

THE annual meeting of the Chemists' and Druggists' Society of Ireland was held at 11 Waring Street, Belfast, on May 29, Mr. Fred Storey (president) in the chair. There was a good attendance. Mr. Storey was congratulated on his recovery from his recent severe illness. Apologies for absence were received from Messrs. D. A.Taylor, J. Grimes, Pomeroy, W. J. Hamilton, Gortin, T. Unsworth, Ballynahinch, W. J. Busby, Frank Boyle, and W. E. Wilson. The last-named wrote from Perranporth, Cornwall, recalling with pleasure his long association with the Chemists' and Druggists' Society and the meetings, ably presided over by a succession of presidents who might be well called the Fathers of the Trade in the Province.

### DEATHS

THE PRESIDENT moved a vote of sympathy with the relatives of the late Mr. Samuel McDowell, who had been a member of the Society since its inception and was president in 1915. He was a man for whom they had great respect; he took a deep and lively interest in the Society. His two sons were also members.

MR. ABERNETHY, in seconding, said Mr. McDowell was a great loss to the Society, and had taken a keen interest in the social side.

MR. GIBSON said it was a great shock to him, as he had known Mr. McDowell for so many years. The vote was passed, the members standing.

THE PRESIDENT also referred to the deaths of Mrs. Gibson, widow of the late Mr. Samuel Gibson, and Mrs. Rankin, widow of the late Mr. W. J. Rankin. These ladies had taken a very active part in the social activities of the Society in its earlier days.

### ANNUAL REPORT AND FINANCIAL STATEMENT

MR. J. MACAULEY (secretary) read the annual report as follows:—

*Membership.*—During the year membership has been well maintained.

*Obituary.*—It is with regret we have to report the death of Mr. Samuel McDowell, R.D., and also Mrs. Gibson, widow of the late Mr. Samuel Gibson, and Mrs. Rankin, widow of the late Mr. W. J. Rankin.

*Pharmaceutical Council.*—Your representation on the Pharmaceutical Council is still at the reduced figure of three. Mr. S. Gibson and Mr. W. Martin were returned unopposed at the election in October last. These two gentlemen, together with Mr. Grimes, ably represent your interests on the Council. Mr. Martin is to be congratulated on his election to vice-president, and Mr. Gibson to the position of hon. treasurer. The new headquarters were opened during the year.

*Excursion.*—A very enjoyable excursion was arranged in June to the Ards Peninsula. The weather was fine, and we had as guests Mr. R. Welch, M.R.I.A., Professor Earls and Mrs. Earls, Dr. and Mrs. Wren, the president of the Pharmaceutical Society and Mrs. Edwards, the president of the Ulster Retail Drug Trade Association and Mrs. Hudson, the secretary of the Pharmaceutical Society and Mrs. Kirkpatrick, the secretary of the U.R.D.T.A. and Mrs. Blair, and Mr. Young.

*Lectures.*—Mr. Young gave a very interesting lecture on the B.P., '32. This was his second lecture and was well attended.

MR. SAMUEL GIBSON (treasurer) submitted the financial statement and balance sheet, which showed the finances of the Society to be in a flourishing condition.

THE PRESIDENT, in moving the adoption of the report and financial statement, said the reports just submitted showed the Society to be in a healthy and active condition. He also referred to the progress the Pharmaceutical Society of Northern Ireland had made during the year; their new headquarters were a credit to them. The Library and the Pharmacognosy Museum would be a boon to their students. He referred to the very successful lecture on the B.P. given by Mr. Young, Ph.C., which was so well attended. A letter was received asking them to submit three names in connection with the Pharmaceutical Conference Committee. The Committee had nominated Messrs. Frank Boyle, James Macauley and Sam Nevin. He also referred to the pleasant excursion they had to the Ards Peninsula when Mr. Welch, M.R.I.A., conducted them through Greyabbey and Mount Stewart. He (Mr. Storey) had intimated to the Committee some time ago that he and Mrs. Storey would like to have the pleasure of entertaining the members, but, unfortunately, his illness prevented this; later on they hoped to have that pleasure. Conditions in Belfast had improved, and shipyards were employing a great number of men. Their linen business was improving considerably, and the Government were trying to help the farmers.

### RE-ELECTION OF PRESIDENT

In moving the re-election of Mr. Storey as president, MR. ABERNETHY said they could not have a better man in the position. He hoped that as long as the Society lasted he would see Mr. Storey in the chair. He had carried them through difficult times and had always fought hard for the Society.

MR. W. MARTIN said he had great pleasure in seconding the proposal. Mr. Storey had given great satisfaction to them in the past, and he was sure he would do so in the future. This was supported by MESSRS. S. NEVIN, R. MCBIRNEY, E. RICHEY, and H. JOHNSON, and passed unanimously with acclamation.

MR. STOREY thanked the members for their renewed confidence on re-electing him for the fifteenth year in succession. He was proud to be president of the Society, and was also proud of the Society itself. They worked together very harmoniously, and were like a large family. They had done good work in the past, and there was still work for them to do in the future.

### RE-ELECTION OF OTHER OFFICERS

Mr. James Macauley was unanimously re-elected secretary on the motion of MR. ABERNETHY, seconded by MR. H. JOHNSON.

Mr. S. Gibson, J.P., was unanimously re-elected treasurer on the motion of MR. DAVIS, seconded by MR. NEVIN.

The Committee was re-elected, with the addition of Councillor Groves, on the motion of MR. J. GRAY, seconded by MR. GUTHRIE.

Mr. Martin and Mr. Roberts were re-elected auditors on the motion of MR. MCBIRNEY, seconded by MR. GROVES.

### THE ECONOMY CUT

After a discussion on the 6.3 per cent. economy cut in connection with N.H.I. dispensing, MR. ABERNETHY moved, and MR. GUTHRIE seconded, that a resolution be sent to the Ministry of Labour, asking that this cut be restored now that the Imperial budget had been balanced. This was agreed to.

### APPRENTICESHIP

THE PRESIDENT said that as there appeared to be a definite misunderstanding regarding indentures, he would endeavour to explain the exact position. Prior to the passing of the Pharmacy and Poisons Act, 1925, a Committee representing the pharmaceutical chemists and the druggists agreed to that Clause in the Act which gave the Council power to draft regulations concerning various matters enumerated in the Act and which included, among others, the indentureship of apprentices. Several members of the Council submitted forms of indentures which they had personally used, or which had been used by others. The Society's solicitor also submitted a form of indenture and attended a Council meeting to discuss it with the members. It was eventually decided to proceed no further in the meantime, and the question lay in abeyance until a question of limitation and regulation of apprentices cropped up. He would like to point out that the Council had no power over the restrictions of apprentices, except those apprentices

who might be bound, and their first step was to bring in a form of indenture. About a year and a half ago the Council took steps to bring in a legal form of indenture. There was no secrecy about this, nor was it rushed in any way; it was discussed at various meetings of the Council and reported in the trade Press. It was only when the regulation was made and submitted to the Home Office that the question was raised by the U.R.D.T.A. They sent a deputation asking the Council to hold up the regulation dealing with the indenture until they had an opportunity of submitting this to the trade. The Council agreed to this, and 408 *questionnaires* were sent out to the trade; up till March 29 159 replies had been received. An analysis of the replies showed that 10 per cent. were for the official form of indenture, 58 per cent. for a form of indenture with necessary safeguards and a clause limiting apprentices, and 32 per cent. against any form of indenture. Now—leaving out the opinion of those who did not reply, and not taking silence as giving consent—the analysis sent in showed that there were 68 per cent. for indentures and 32 per cent. against indentures. The only conclusion he could come to from the number which did not reply was that either they were satisfied with the action of the Council or that they did not care whether indentures were brought in or not.

MR. RICHEY said that what was wanted was limitation of apprentices, not exactly the number coming into the business, but restriction of the number each employer could employ. That was more important than the indentures, and the proposed form should contain a number of safeguards. For instance, how were they to deal with an apprentice who turned out unsatisfactory? The result of the *questionnaires* showed the majority in favour of indenture, provided proper safeguards were included, and also a clause bringing in limitation of apprentices at the same time.

MR. ABERNETHY thought certain safeguards were essential, and agreed that limitation for apprentices was more important.

MR. MCQUITTY: The president by his statement has cleared up many points which were in doubt.

MESSRS. MCBIRNEY, J. GRAY, A. E. DAVIS, H. JOHNSON and J. GUTHRIE also took part in the discussion.

# Old Mortars at Auction

ON June 1, at Sotheby's, New Bond Street, London, W.1, a sale of ancient armour was preceded by the disposal of sixty-nine old bronze mortars catalogued in fifty-six lots, all, with one exception, from the collection of Mr. A. G. Hemming, of Headcorn, Kent.

The sale started quietly. Lot 1, an Italian specimen of 5½-in. diameter, decorated on one side with a crowned Virgin and Child and on the other with St. John the Baptist, was secured for £4. The highest price paid for a mortar was £23 (Lot 13), which was simply described as "a fine one-handled German bronze mortar, inscribed in bold gothic letters GOT HILF, 14th-15th century." Lot 22, a Flemish bell-metal mortar dated 1558, with two dolphin handles and inscription in Flemish, sold for £14. The following is a translation of the inscription: "Nor herb nor plaster heals, but Thy word alone, O Lord.—Sapientia 16." Lot 27, which brought down the hammer at £15, was a curious 7½-in. mortar, each side divided into eight panels and every panel with a Zodiacal sign. Lot 42, a 12-in. mortar made by William Carter of the Whitechapel Foundry for George Beere, 1615, sold for £18. The same price was given for Lot 43, a mortar of 8½-in. diameter inscribed "REI OYSE IN JESUS CRIST 1619 I.C." The initials "I.C." are those of the maker, John Conyers, of the East Riding of Yorkshire.

Lot 51 realised £17; it was described as "a two-handled English bell-metal mortar by Stephen Tonni II, bellfounder of Bury St. Edmunds, dated 1570." On the body is the foundry mark with the initials "S.E.T."; diameter 5½ inches. Lot 52, similar but smaller, was inscribed "ROBERT HALL, 1574," and came from the same foundry. It sold for £15. Lot 53, bearing the date 1619 and the arms of Bury St. Edmunds, attributed to Thomas Cheese, fetched £6. An octagonal bronze mortar (Lot 8) decorated with bosses and two bull's head handles, 10th century, dug up at Rhages, realised £11. Another property (from Bognor Regis, Lot 59) was a bronze mortar designed with cherub handles and dated 1500. It found a buyer at £16 10s.

Other specimens worthy of notice were Lots 54 and 55. The former, made by Henry Neale of Burford, bearing his name and the date 1631, and considered the only one recorded of this name, sold for £9, whereas a larger specimen, 14½-in. diameter, made by Edward Neale of Burford, who succeeded Henry Neale, sold for £21. Lot 25 failed to realise more than £4 15s. It was a small bell-metal mortar, decorated on each side with the arms of the Commonwealth, and catalogued as being in the loan collection at the Victoria and Albert Museum in 1929-30. Together with some of the others it was illustrated in THE CHEMIST AND DRUGGIST, January 25, 1913. Among the purchasers during the day was Mr. E. Saville Peck, vice-president of the Pharmaceutical Society.

# Association Meetings

**London (S.-W.).**—The South-West London Chemists' Association and South-West Metropolitan Branches of the Pharmaceutical Society and the National Pharmaceutical Union have, through their Council, appointed the following officers for the session 1934-35:—*President*, Mr. E. Skues; *Vice-Presidents*, Mr. H. G. Tibbett, Mr. P. H. Woodnoth; *Treasurer*, Mr. F. G. Wells; *General Secretary*, Mr. H. R. Edgecombe, 77 Atlantic Road, S.W.9; *Social Secretary*, Mr. E. Neville Browne, 28 High Street, S.W.19; *Sports Secretary*, Mr. D. A. Rees, 224 Coldharbour Lane, S.W.9; *Branch Employment Agency Secretary*, Mrs. V. S. I. Browne, 158 Wandle Road, Morden, Mitcham, Surrey.

**London (W.).**—The annual joint meeting of the Western Pharmacists' Association and the West London Branch of the Pharmaceutical Society was held on May 31 at Stewart's Restaurant, Old Bond Street, W.1, Mr. Gwilym Thomas (president of the Association and chairman of the Branch) presiding. The general secretary (Mr. D. T. Jones) reported on the meetings of the session, which on the whole had been well attended, and the committee meetings, which had done very useful work. The social secretary (Mr. Goodwin) reported that all records as to numbers had been broken during the session. The treasurer (Mr. W. E. D. Shirtliff) presented the balance sheet for 1933-34, which he thought was very satisfactory. The auditors, Messrs. W. Wilkinson and R. E. Lownsbrough, were awarded a hearty vote of thanks. There were four vacancies on the Committee and four nominations. Three new members were elected to the Association. A hearty vote of thanks was awarded to the officers for the work done by them during the past session.

**Reigate.**—The annual meeting of the Reigate, Redhill and District Pharmacists' Association and Branch of the Pharmaceutical Society was held on May 17, Mr. G. S. Powell in the chair. The treasurer's and secretary's reports were presented by Mr. F. G. Lewis and adopted. The former report showed that under the Pharmacy and Poisons Act the membership of the Branch had only increased by twelve, a figure which indicated that the voluntary membership in the area was high. The following officers were elected:—*President*, W. E. Foster; *Vice-President*, W. H. Fowler; *Treasurer*, F. G. Lewis; *Secretary*, F. G. Lewis; *Committee*, G. S. Powell, T. Reid, F. R. Barlow, T. P. Padwick, W. J. Bush, E. S. Feltham, H. Hocken, C. W. Firth. The annual dinner-dance was fixed for November 21.

COPYING THE PRESCRIPTION.—We have received from Phillips & Co., chemists, Mayo Road, Bombay, a specimen of a prescription-envelope having a copy of the customer's prescription written inside the back flap. This, it is claimed, is useful as well as novel.

# Trade Report

**Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values**

### 28 Essex Street, W.C.2, June 7

RATHER more business has been transacted this week, and quite a number of markets are reported firmer. The quota system on imports into Germany should have the effect of diverting some business in crude drugs to this market. Exchauge rates have been moving slowly against sterling, the exception being the German mark. Business has been fair in pharmaceutical chemicals and the recent alterations in values continue to operate. MERCURIALS, with another increase in metal this week, are firm and may have to be advanced. BISMUTH SALTS are firm and tend to recover at least part of the recent reductions. SANTONIN is now at low prices. The crude drugs markets have shown a little more life this week, with the aggregate of business fairly good. BUCHU has been selling well and prices are fully steady. CASCARA SAGRADA shows a sharp advance for shipment of new crop and is firm. Zanzibar CLOVES are better. Norwegian COD-LIVER OIL is steady; the quoted price of British oil has been advanced. DERRIS ROOT has been selling well, and prices are now quoted dearer. ERGOT is a strong market, with Russian at higher prices. HYDRASTIS, for shipment, is firm. There has been more inquiry for MENTHOL on spot and afloat for Continental account. Spanish-Italian MERCURY is again dearer this week and very steady. The better tone in SENNA is being maintained, with the shipment market for Tinnevelly tending rather dearer. TRAGACANTH is at full prices for the better grades. BEES' WAX is very firm, short and tending to move up. In essential oils business has been a little more in evidence, but there is still plenty of room for improvement in many products. Sicilian hand-pressed LEMON is steady and of some interest. LEMONGRASS shows a sharp recovery for shipment after the recent weakness. NEROLI prices for new crop are dearer. Japanese PEPPERMINT is steadier, with more inquiry for spot and afloat. American natural oil is now nominal; prices were first advanced and are now mostly withdrawn. It is reported that drought has damaged the plantations. SPEARMINT is quoted dearer for shipment. Business in fixed oils has been limited, with PALM OILS easier and dull. American TURPENTINE is quiet and LINSEED OIL is about level on the week. There has been a good demand for industrial chemicals. BORAX and BORIC ACID are cheaper. Keen prices are quoted for FORMALDEHYDE. OXALIC ACID is fully steady and in good demand.

### Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

| Centre | Quoted | Par | June 7 | Value of the £ |
|---|---|---|---|---|
| Amsterdam ... | Fl. to £ | 12·107 | 7·46 | 12/4½ |
| Berlin... ... | Mks. to £ | 20·43 | 13·42½ | 13/1¼ |
| Brussels ... | Belgas to £ | 35 | 21·64 | 12/4 |
| Copenhagen ... | Kr. to £ | 18·259 | 22·39½ | 24/8 |
| Lisbon ... | Esc. to £ | 110 | 109½ | 19/11 |
| Madrid ... | Ptas. to £ | 25·22½ | 37 | 29/2¾ |
| Milan ... ... | Lire to £ | 92·46 | 58⅜ | 12/7½ |
| Montreal ... | Dol. to £ | 4·86⅔ | 5·04¼ | 20/9¼ |
| New York ... | Dol. to £ | nominal | 5·06½ | 20/9½ |
| Oslo ... ... | Kr. to £ | 18·159 | 19·90½ | 21/11 |
| Paris ... ... | Fr. to £ | 124·21 | 76 21/32 | 12/3⅞ |
| Prague ... | Kr. to £ | 164·25 | 121¼ | 13/9 |
| Stockholm ... | Kr. to £ | 18·159 | 19·40 | 21/4¾ |
| Warsaw ... | Zloty to £ | 43·38 | 26¾ | 12/4¼ |
| Zurich ... | Fr. to £ | 25·2215 | 15·54 | 12/4½ |

Bank rate 2 per cent.

### Pharmaceutical Chemicals, etc.

BUSINESS continues on moderate lines with quoted prices holding steady. Mercurials are firm and tend to advance. Quinine sulphate and other salts will be dearer if sterling weakens much more. Phenacetin is being cut severely in some directions.

AMIDOL.—Steady business for ordinary quantities: 56 lb., 7s. 3d.; 28 lb., 7s. 6d.; 14 lb., 7s. 11d. per lb., in 7-lb. tins. Wholesale distributors' prices for smaller parcels would be dearer.

AMIDOPYRIN.—A little spot inquiry, with some offers discounting Continental prices: crystals, five cwt., 18s. 9d.; two cwt., 19s. 1¼d.; less than two cwt., 19s. 6d. per lb., with powder 2¼d. per lb. extra.

AMMONIUM ICHTHOSULPHONATE.—Very fair business passing, mostly in imported material: one cwt., 1s. 7d., in 14-lb. tins; 1s. 8d. in 1-lb. tins; 1s. 11d. in 8-oz. tins; and 2s. 1d. per lb. in 4-oz. tins.

ASPIRIN.—Business continues satisfactory, agreed prices keeping steady: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 2s. 9d.; 14 lb., 2s. 10d.; 7 lb., 3s.; 4 lb., 3s. 2d.; 1 lb., 3s. 4d. per lb. Bulk packing free, net, carriage paid. Contracts: Over twelve months, minimum, one ton; over six months, less than one ton.

BARBITONE.—Market is dull and some spot offers are at keen figures: spot, one cwt., 13s.; 56 lb., 13s. 1d.; 14 lb., 13s. 3d.; small parcels, up to 14s. per lb.

BENZONAPHTHOL.—Spot prices are holding at about 3s. 4d. to 3s. 6d. per lb., as to quantity. Market dull.

BENZOIC ACID (B.P.).—Prices are very steady, inquiry good: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 2d. per lb., ex store, as to quantity.

BISMUTH SALTS.—The lower prices recorded last week continue in operation:—

| — | Net Monthly Account | Net 14 days (a) | | |
|---|---|---|---|---|
| | Under 8 lbs. | 8 lbs. and under 28 lbs. | 28 lbs. and under 1 cwt. | Not less than 1 cwt. (b) |
| | Per lb. | Per lb. | Per lb. | Per lb. |
| Carbonate... ... ... | 8/10 | 7/7 | 7/1 | 6/10 |
| Citrate ... ... ... | 11/9 | 10/6 | 10/- | 9/9 |
| Nitrate Cryst. ... ... | 6/9 | 5/6 | 5/- | 4/9 |
| Oxide ... ... ... | 13/- | 11/9 | 11/3 | 11/- |
| Salicylate ... ... ... | 10/- | 8/9 | 8/3 | 8/- |
| Subchloride ... ... | 12/9 | 11/6 | 11/- | 10/9 |
| Subgallate ... ... | 9/8 | 8/5 | 7/11 | 7/8 |
| Subnitrate ... ... | 8/- | 6/9 | 6/3 | 6/- |

(a) If sold on monthly account, 3d. per lb. extra charged. (b) A rebate of 3d. per lb. allowed on sales of not less than 2 cwt. (either for prompt delivery or on contract) provided delivery is completed or paid for within three months. Liquor Bismuthi, B.P., one winchester quart, 1s. 1½d.; 6 w-quarts, 11d.; 12 w-quarts, 9½d.; 36 w-quarts, 9d. per lb., net

BROMIDES.—Reports indicate average business with the scale of prices maintained: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; 28 lb., 2s. 1d.; smaller quantities, 2s. 5d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; 28 lb., 1s. 10d.; smaller quantities, 2s. 2d. per lb.; sodium B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s.; smaller quantities, 2s. 4d. per lb., without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—Inquiry is fair with sales prices unchanged: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CITRIC ACID (B.P. CRYSTALS).—More inquiry with imported material offered at very keen prices. British material is quoted at 9¼d. per lb., less 5 per cent. discount, nominal and without engagement.

CREAM OF TARTAR.—British makers quote 99 to 100 per cent. at 82s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers quoting at competitive prices.

CREOSOTE (B.P.).—Business is slow. Quantities in 25-kilo. demijohns, 1s. 8d.; smaller quantities, 1s. 10d. to 2s. 2d. per lb., as to quantity.

CREOSOTE CARBONATE.—Dealers are quoting at about 8s. to 8s. 6d. per lb., as to quantity. Market quiet.

GUAIACOL CARBONATE.—Not much business about: some offers at keen prices. Convention prices: two cwt., 9s. 10¼d.; one cwt., 10s. 0½d.; less than one cwt., 10s. 2¾d. per lb.

HEXAMINE.—Business is fairly good with keen prices quoted for bulk business: free-running crystals, five cwt., 1s. 8d.; two cwt., 1s. 8½d.; one cwt., 1s. 9d.; 14 lb., 1s. 11d.; smaller parcels, up to 2s. per lb.; powder, 1s. 5d. per lb. for cwt. lots and less for bulk quantities.

HYDROQUINONE.—A very fair seasonal business continues with agreed prices for one delivery and for contracts unchanged.

IODIDES.—Makers' scales of prices for these salts are generally unchanged.

LACTIC ACID (B.P.).—A moderate inquiry, market steady: quantities in carboys, 1s. 4¾d. to 1s. 5½d.; in winchesters and bottles, 1s. 6d. to 1s. 10d. per lb., as to quantity.

MERCURIALS.—The market is firm at makers' scale of sales prices. An advance is very likely if the price of the metal goes much higher.

METHYL SALICYLATE (B.P.).—Market is quite steady at makers' prices, business quiet: ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 7d.; small quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—A little more inquiry: dealers' sterling prices maintained: two cwt., 17s. 6d.; one cwt., 17s. 11d.; 56 lb., 18s. 4d.; small parcels, 19s. 3d. per lb.

METOL.—More business in small quantities: 28 lb., 9s. 6d.; 14 lb., 9s. 9d. per lb.; carriage paid. Wholesale distributors' prices for smaller parcels would be dearer.

PAPAVERINE.—Makers' prices are as follows: Pure and Sulphate, 16s. 5d.; hydrochloride, 15s. per oz., net, for maximum 4-oz. lots. Rebates for bulk quantities, as follows: 250 oz., 10 per cent.; 100 oz., 7½ per cent.; 35 oz., 5 per cent., and over 4 oz., 2½ per cent. Assorted salts on same terms. Fall clause on contracts for 100 oz. and upwards, delivery over six months. Distributors' prices for small lots would be dearer.

PHENACETIN.—The market is keen and at very cut prices where good-sized orders are concerned: crystals or powder, five cwt., 3s. 7d.; two cwt., 3s. 7½d.; one cwt., 3s. 8d.; 56 lb., 3s. 9½d.; smaller parcels, up to 4s. 3d. per lb.

PHENAZONE.—Business is rather poor and some offers are at keen prices: crystals, five cwt., 10s. 7¾d.; two cwt., 10s. 10d.; and less, up to 11s. 6d. per lb., with powder 2¼d. per lb. extra.

PHENOLPHTHALEIN.—The agreed prices are unchanged: business limited: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHENYL ETHYL BARBITURIC.—A fair amount of small business with prices about steady: spot, 29s. to 30s. per lb., in 2-lb. bottles.

PYROGALLIC ACID.—More inquiry with prices keeping steady: 56 lb., 7s. 9d.; 28 lb., 8s.; 14 lb., 8s. 6d.; 7 lb., 9s. 3d. per lb., in 7-lb. tins. Wholesale distributors' prices for smaller parcels would be dearer.

QUININE SALTS.—Sulphate, 2s.; bisulphate, 2s.; ethyl carbonate, 2s. 7½d.; salicylate, 2s. 8d.; phosphate, 3s. 1d.; hydrochloride, 2s. 6¼d.; bihydrochloride, 2s. 9½d.; hydrobromide, 2s. 6¼d.; bihydrobromide, 2s. 9½d.; valerianate, 3s. 5¼d.; hypophosphite, 3s. 8¾d.; alkaloid, 2s. 9¾d. per oz., carriage paid on bulk quantities.

SALICYLIC ACID (B.P.).—Makers' prices are unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 11d.; 4 lb., 2s. 1d. per lb. Higher prices for smaller quantities

SALOL.—Business is still very poor: spot, crystals, two cwt., 3s. 10d.; one cwt., 3s. 11½d.; 56 lb., 4s.; smaller parcels, up to 4s. 3d. per lb.; powder, 2d. per lb. extra.

SANTONIN.—Inquiry is fair for small quantities. Spot holders asking about £13 per kilo. and less for bulk quantities.

SODIUM BENZOATE (B.P.).—Quite a good inquiry: market steady: cwt. lots, 1s. 7d.; smaller parcels, up to 4s. 3d. per lb.; powder, 2d. per lb. extra.

SODIUM DIETHYLBARBITURATE.—Average inquiry: market steady: spot, one cwt., 13s.; 56 lb., 13s. 3d.; 28 lb., 13s. 6d.; 14 lb., 13s. 9d.; 7 lb., 14s.; smaller parcels, up to 15s. per lb.

SODIUM SALICYLATE (B.P.).—Makers' quoted prices are maintained, limited business: home trade, powder or crystals, five cwt., 1s. 8½d.; one cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

SULPHONAL.—Dealers' sterling prices are steady, business quiet: crystals, two cwt., 14s.; one cwt., 14s. 5d.; 56 lb., 14s. 7d.; smaller parcels, up to 15s. 3d. per lb., with powder 2½d. per lb. extra.

TARTARIC ACID (B.P. CRYSTALS).—British material is quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering foreign at keen prices. Business has been fairly satisfactory.

THEOBROMINE.—Continental material to come forward is steady at the former prices: pure, 250 lb., 6s. 6¼d.; 100 lb., 6s. 8¼d.; 50 lb., 6s. 11d.; less than 50 lb., 7s. 1d. per lb. Sodium salicylate, 250 lb., 6s. 4½d.; 100 lb., 6s. 5¾d.; 50 lb., 6s. 6¼d.; less than 50 lb., 6s. 7¾d. per lb., net, carriage paid on minimum 50-lb. lots. Packages from 5 lb. upwards free.

VANILLIN.—Orders are mostly for limited quantities. Convention prices quoted unchanged: ex guaiacol or clove oil, ten cwt., 14s. 6d.; five cwt., 14s. 9d.; three cwt., 15s.; one cwt., 15s. 3d.; 56 lb., 15s. 6d.; 28 lb., 15s. 9d.; 14 lb., 16s.; less, 16s. 3d. per lb.

VERMILION.—Prices continue at the reduced figures recorded last week: 30-lb. bags, 4s. 4d.; four 30-lb. bags or one one-cwt. cask, 4s, 2d. per lb., packages free, carriage paid.

## Crude Drugs, etc.

ACONITE ROOT.—Dealers are offering Napellus at 62s. 6d. and Japanese at 52s. 6d. per cwt., spot., for small lots.

AGAR.—Business has been unimportant ; spot and shipment quoted unchanged: spot, Kobe, No. 1, 1s. 11d.; No. 2, 1s. 9d.; Yokohama No. 1, 1s. 9d. per lb.; shipment, Kobe No. 1, 1s. 7¼d.; No. 2, 1s. 6½d.; Yokohama No. 1, 1s. 5d. per lb., c.i.f.

ANTIMONY.—Market is steady and unchanged: Chinese crude, spot, £24 10s.; shipment, £19 10s., c.i.f.; Chinese oxide, spot, £30 ; shipment, £26, c.i.f., nominal.

ARNICA FLOWERS.—Dealers are offering spot goods at about 8½d. per lb.

BALSAMS.—The market for *Tolu* is dull at about 2s. 1d. per lb.; *Canada*, 2s. 2d. per lb., spot ; *Peru* is scarce and nominal.

BELLADONNA.—Leaves continue scarce and nominal: root testing .43 is at about 60s. per cwt., spot.

BUCHU.—Some nice business is reported with the market fully steady at the recent advance: good green rounds, 10½d. to 11d.; fair to ordinary, 9½d. to 10d. per lb. Ovals are nominal with no trace of supplies on the market at the moment.

CAMPHOR.—Market is very quiet: spot, slabs, 2s. 0½d.; flowers, 2s. 1d.; tablets, 2s. 4½d. per lb.; shipment, slabs, 1s. 9¼d.; flowers, 1s. 9½d.; tablets, 2s. 1d. per lb., c.i.f. English refined is quoted unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ⅓ oz. and ¼ oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CASCARA SAGRADA.—There has been a sharp advance in shipment offers and the market is now firm at 32s. 6d. per cwt., c.i.f., for minimum car-load lots. The crop is stated to be coming in slowly, and this, with reported substantial American buying, has hardened the market considerably. On Thursday morning the shipment market was reported to be advancing.

CELERY SEEDS.—Small lots on spot are selling in the region of 2s. 2d. per lb.

CHAMOMILES.—A steady demand continues and prices are fully maintained at 250s. to 300s. per cwt., as to colour. The best white flowers are short.

CLOVES.—Quoted dearer with the market firm: Zanzibar, spot, 5¼d.; shipment, June-July, 5¼d.; August-October, 5⅜d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended June 2 were 369 and the deliveries 39, leaving a stock of 4,933. From January 1 to date, landings of Zanzibar have been 3,712 and the deliveries 1,301. Landings of Madagascar for the week ended June 2 were 50, and the deliveries 32, leaving a stock of 916. From January 1 to date landings of Madagascar have been 282 and the deliveries 348 packages.

COCOA BUTTER.—Prime English is quoted from 8¾d. to 10d. per lb., as to quantity.

COCONUT (DESICCATED).—Business has been quiet, market steady: spot, fine, 14s. 6d.; medium, 14s. 6d., spot ; shipment, halves, June-July, 13s. 7½d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports a satisfactory conclusion to the season's fishing at Finmarken ; results to June 4: 138,500 tons of cod and 82,759 hectol. of oil, compared with 137,412 tons of cod and 76,253 hectol. of oil at the same date in 1933 and 160,900 tons of cod and 91,749 hectol. of oil in 1932. The shipment market for finest Lofoten steam refined non-freezing medicinal oil is rather quiet but steady at 84s. per barrel, c.i.f., London. Spot, in small lots, 135s. per barrel, ex store, duty paid. Newfoundland, finest non-freezing medicinal oil, 132s. 6d. per barrel, ex store. British oil, non-freezing, finest medicinal, quoted dearer at 125s. per barrel, c.i.f., London, duty free.

COLCHICUM.—Some root is quoted on spot at about 45s. per cwt., and seeds at 1s. 6d. per lb. for small parcels.

DAMIANA LEAVES.—Spot supplies are now available at about 1s. 6d. per lb. for small quantities.

ERGOT.—There has been a very fair business moving. Russian has advanced and is now fully 1s. 6d. per lb. Spanish and Portuguese, 1s. 8d. to 1s. 8½d. per lb., spot.

GALANGAL ROOT.—Dealers are quoting spot at about 35s. per cwt.

GELATIN.—Market is steady, business fair: German, gold leaf, 2s. 4d.; silver leaf, 2s. 2d.; bronze leaf, 1s. 10d.; plain leaf, 1s. 8½d. per lb. French, gold leaf, 1s. 10d.; silver leaf, 1s. 8d.; bronze leaf, 1s. 6½d. per lb., in cwt., cases. British, No. 1, 80s.; No. 2, 70s. per cwt., in bags, carriage paid, less 2½ per cent. discount.

GINGER.—Market continues firm with supplies short, business quiet: West African, spot, 29s. 6d.; for arrival, 27s. 6d. per cwt., c.i.f.

GUM ACACIA.—The shipment market is reported quite steady: spot, Kordofan cleaned sorts, 34s.; bleached, 67s. 6d. to 72s. 6d. per cwt.; shipment, Kordofan cleaned sorts, 31s. 9d. per cwt., c.i.f.

HONEY.—There has been a little more inquiry this week with the limits for new crop Jamaican unchanged.

HYDRASTIS.—The shipment position is now firm: spot, 5s. per lb.; shipment, 4s. 4d. per lb., c.i.f.

IODINE.—Crude is quoted unchanged by the distributors at 14s. 8½d. per kilo.

INSECT FLOWERS.—Supplies to arrive are quoted at about 110s. per cwt.

IPECACUANHA.—Not much inquiry about but Matto Grosso is about steady at 4s. 4½d. to 4s. 6d. per lb., as to quantity.

MANNA.—Some selected flake in 1-lb. tins is quoted at about 5s. per lb.

MENTHOL.—More inquiry this week for spot and for goods afloat, particularly from the Continent. The market is steadier: K/S brands, spot, 9s. 6d.; in bond, 8s. 7½d.; afloat, 8s. 7½d.; shipment, June-July, 8s. 7½d.; July-August, 8s. 9d. per lb., c.i.f., from re-sellers. Japanese shippers quoting at 9s. per lb., c.i.f.

MERCURY.—A further advance in the shipment price for Spanish-American is recorded at 56 dollars 50 cents per bottle, f.o.b., Continent. The spot price is also dearer at £11 7s. to £11 9s. per bottle, ex store.

OPIUM.—Market is quiet. Shipment, about 1s. 5d. per unit, c.i.f.; spot, about 1s. 7d. per unit, landed and duty paid; some offers may be rather cheaper.

PEPPER.—Values are easier on the week and the market has been quieter: Lampong, spot, 5¼d.; shipment, August-October, 4⅜d.; October-December, 4⅜d., c.i.f. Tellicherry, spot, 5⅜d.; shipment, April-May, 49s. 6d. Aleppy, spot, 5¼d.; shipment, April-May, 48s., c.i.f. White Muntok, spot, 9⅜d.; shipment, May-July, 8 7/16d.; August-October, 8⅜d. per lb, c.i.f., July delivery, 9¼d.; October, 9 13/16d. per lb.

PIMENTO.—The market is steady but business has been slow: spot, 3⅛d. per lb.; shipment, June-August, 27s. per cwt., c.i.f.

QUILLAIA BARK.—Whole bark is mentioned at 22s. and crushed at 30s. per cwt.

RUBBER.—Values show a good recovery on the week; moderate business, market steadier: standard ribbed smoked sheet, spot, 6 5/16d.; June, 6 5/16d.; July, 6⅜d.; July-September, 6 7/16d.; October-December, 6 9/16d.; January-March, 6 11/16d.; April-June, 6 13/16d. per lb.

SAFFRON.—A fair business in small lots, market steady: spot, prime B.P., 53s. 6d.; extra B.P., 50s.; super B.P., 49s. per lb., and slightly less for bulk quantities.

SARSAPARILLA.—Rather quiet but keeping steady: spot, native mixed colours, 11d. to 1s. 1d.; grey Jamaican, 1s. 7½d. to 1s. 9d. per lb., as to quantity.

SEEDS.—ANISE.—Spanish first quality, 70s.; second quality, 52s. 6d., duty paid. Bulgarian, 47s. 6d., duty paid. CARAWAY.—Dutch, on spot, quoted at 43s. CORIANDER.—Morocco offering at 20s. spot; 18s. in bond. New crop for June-July quoted only, at 14s., c.i.f. No firm offers. FENUGREEK.—Tunisian, 15s., spot; Morocco, 13s., duty paid. CUMIN.—Malta, 62s., spot. All the Morocco has been sold. LINSEED.—Morocco, 20s. 6d. duty paid. MUSTARD.—English, 20s. to 32s., according to quality.

SENEGA.—There is still no news of new crop prices. Spot goods quoted in the region of 1s. 4d. per lb.

SENNA.—A fair business has been passing on the spot for Tinnevelly leaves and pods, with prices rather firmer. Reports from India state that the crop is likely to be 30 to 40 per cent. short of that of last season. Shippers are reserved and have raised prices for both leaves and pods during the last few days, and some orders at cheaper prices than recent limits have been refused. It would appear that the coming months may see a better tone.

SHELLAC.—Business has been moderate, values barely maintained. Spot, standard TN orange, 111s. to 116s.; fine orange, 125s. to 150s.; pure button, 127s. 6d. per cwt. For delivery, TN, August, 114s. 6d.; October, 115s. 6d. For arrival, TN, June, 111s. per cwt., c.i.f.

STRAMONIUM LEAVES.—Supplies available are short and quoted firm at 85s. per cwt. for small parcels.

TRAGACANTH.—This market continues fully steady and is firm for the white grades, of which supplies are limited. Finest white, £32; No. 1, 28; No. 2, £27; No. 3, £25 per cwt. Interest in the lower and medium grades is of limited account.

TUBA ROOT.—The market is moving up following substantial business, and is now in the region of 9¼d. to 11d. per lb., as to test.

VALERIAN ROOT.—The market is firm as quoted for small parcels at 55s. per cwt.

WAX (VARIOUS).—The market handling Bees' is firm, with a general shortage of supplies available. Benguella, spot, 105s. if available; shipment, nothing offering. Abyssinian, spot, 105s.; shipment, 87s. 6d., c.i.f. Dar-es-Salaam, spot, 107s. 6d.; shipment, 96s. per cwt., c.i.f. Carnauba is rather quiet. Fatty grey, spot, 105s.; in bond, 94s.; shipment, June-July, 92s. per cwt., c.i.f. Chalky grey, in bond, 90s.; shipment, 87s. per cwt., c.i.f. Primeria, spot, 160s.; in bond, 145s.; shipment, 137s. 6d. per cwt., c.i.f.

## Essential Oils, etc.

THE markets have shown a little more life this week, and the volume of business has been better. Madagascar clove tends to harden. Australian eucalyptus is firmer forward. Sicilian hand-pressed lemon is keeping steady. Lemongrass shows a sharp recovery, and is now firm. New crop neroli is quoted dearer. Japanese peppermint is steadier and the American oil is nominal.

ALMOND.—English-made, cwt. lots, 2s. 6d.; smaller parcels, up to 2s. 8d. per lb. Foreign, cwt. lots, 2s. 4d.; smaller parcels, up to 2s. 7d. per lb. Market is quiet.

ANISE (STAR).—Market remains dull; shipment steady: spot, "Red Ship," in leads, 1s. 10½d.; in tins, 1s. 8½d.; in drums, 1s. 7½d.; shipment, in leads, 1s. 8½d.; in tins, 1s. 7½d.; in drums, 1s. 6¾d. per lb., c.i.f.

BERGAMOT.—Inquiry for shipment has been poor with shippers quoting 5s. 4d. to 5s. 9d. per lb., c.i.f., as to brand and quantity. Spot business has been slow with prices in the region of 5s. 6d. to 6s. per lb.

BOIS DE ROSE.—Values are about steady, market dull. Brazilian, spot, 4s. 8d. to 4s. 10d.; shipment, 4s. 4½d. per lb., c.i.f., for quantities.

CAJUPUT.—Some occasional business with spot prices ranging from 2s. to 2s. 3d.; green, 1s. 9½d. to 1s. 11d. per lb., as to quantity.

CARAWAY.—Some moderate business, market steady. Dutch rectified, five cwt., 8s. 5d.; one cwt., 8s. 9d.; smaller quantities, up to 9s. 4d. per lb., ex store. Crude, 5d. per lb. less.

CASSIA.—Market has been doing some business and is quoted slightly dearer. Spot, from 3s. 10½d.; shipment, 3s. 2½d. per lb., c.i.f.

CITRONELLA.—Still but little interest shown, but the shipment market for Java is keeping quite steady at 1s. 4½d. per lb., c.i.f. Ceylon oil is also slack with offers at about 1s. 1d. per lb., c.i.f., and slightly less for bulk quantities.

CLOVE.—Business has been very fair, and the market is fully steady. Madagascar, 2s. 4½d., c.i.f.; spot, 3s. 4d. to 3s. 6d. per lb. English-made B.P., 3s. 6d. to 3s. 10d. per lb., as to source and quantity.

EUCALYPTUS.—Reports from Australia indicate shipment prices tend to harden. 70 to 75 per cent., 11½d. to 1s.; 80 to 85 per cent., 1s. to 1s. 1d. per lb., landed. Spanish, 70 to 75 per cent., 1s. 2d. per lb., spot.

GERANIUM.—Some small spot business in Bourbon is reported with prices round about 22s. to 23s.; shipment is steady at about 21s., c.i.f. Algerian is held at 24s. per lb., c.i.f.

LAVENDER.—While prices for genuine finest French 38 to 40 per cent. are well held in the region of 15s. per lb., there is very little doing. 50 to 52 per cent. is quoted at about 18s. per lb., landed.

LEMON.—A fair volume of business in Sicilian hand-pressed oil is reported with shipment holding steady at 3s. 8d. and upwards per lb., c.i.f., for best brands. Spot is quoted at about 3s. 8d. to 4s. per lb., as to brand and quantity. Californian oil is steady and business is progressing: in large drums, 1s. 10¾d.; in small drums, 1s. 11¼d. per lb., spot.

LEMONGRASS.—A good recovery is recorded in this product with spot supplies limited and shipment much firmer: spot oil is now quoted from 3s. 4½d. to 3s. 6d. per lb., as to quantity; shipment offers are few and now close up to 2s. 8½d. per lb., c.i.f., for prompt shipment.

NEROLI.—Further news on new crop prospects support last week's news of a poor output; shipment prices are again dearer with finest quality now from 21s. and upwards per oz.; second quality, 15s. to 17s. 6d. per oz.

ORANGE.—Although business in Sicilian sweet does not appear to be of much account, the shipment price is maintained at about 5s. 3d. to 5s. 4d. per lb., c.i.f., and some brands are higher. Spot oil is quoted in the region of 5s. 3d. to 6s. per lb., as to brand and quantity. French Guinea oil for shipment is firm but of no interest at about 2s. 10d. per lb., c.i.f., with spot offers at cheaper prices. Californian oil is moving fairly well on spot: one case, 2s. 4¾d.; two or more cases, 2s. 2¼d. per lb.

PEPPERMINT.—A good deal more inquiry for spot and afloat with some business moving on Continental account. Japanese, spot, 3s. 2d.; afloat, 3s. 2d.; shipment, May-June, 3s. 2d.; July-August, 3s. 2d. per lb., c.i.f., from re-sellers. Japanese shippers quoting 3s. 4½d. per lb., c.i.f. There has been a sharp movement in the American natural oil. Serious drought is reported from a reliable source and shipment was advanced to 2 dollars 65 cents per lb., c.i.f. Later this price and most other offers were withdrawn.

PETITGRAIN.—Dealers' spot price for one-case lots is holding at 3s. 11d. per lb.; shipment is fully steady at 3s. 5d. per lb., c.i.f.

ROSEMARY.—Dealers' prices are steady, business fair: spot, finest Spanish, 1s. 8d.; second quality, 1s. 4½d. per lb., c.i.f.

SAFROL.—The recent advance in prices is well maintained with ton lots at 1s. 6d. up to 1s. 9d. per lb. for small parcels.

SANDALWOOD.—English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10½d.; 14 lb., 7s. per lb.; English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity; East Indian Mysore, 19s. per lb. for one-case lots.

SPEARMINT.—Firmer conditions are reported for shipment with the price working out about 5s. 6d. per lb., c.i.f. Spot oil is about 6s. 3d. per lb. Not much business moving.

SPIKE.—There appears to be very little genuine Spanish available, and the price would be fully 5s. 3d. per lb., landed; some spot offers may be at about 4s. 9d. per lb.

WORMSEED.—This market is dull: spot, 8s. 3d.; shipment, 7s. 3d. per lb., c.i.f.

## Industrial Chemicals, etc.

BUSINESS in heavy chemicals has been fairly satisfactory, showing some improvement. Borax and boric acid are cheaper. Severe competition is noted in formaldehyde. Lead acetates are dearer. Oxalic acid is in good demand. Sal ammoniac has met with better business. ACETIC ACID.—Rather more business being done; quoted unchanged: 80 per cent., technical, £38 5s.; 80 per cent. pure, £39 5s. per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £57, in glass demijohns; glacial, in barrels, £48 per ton, carriage paid in U.K. ACETONE, B.G.S.—Market is fairly active and quoted prices are holding: £65 to £68 per ton, in drums, carriage paid in U.K.; less for large quantities. AMMONIA (ANHYDROUS).—Seasonal business in small quantities, mostly supplied by home makers: 99.95 per cent. material, 1s. to 1s. 2d. per lb., in loaned cylinders, carriage paid, and less for important contracts. AMMONIUM CHLORIDE.—A steady business is reported with values maintained: grey galvanising, £18 per ton, in casks, ex store; slightly less for contracts. ARSENIC.—Market is competitive, business rather quiet: Continental, £17 7s. 6d. per ton, c.i.f., London; Australian, £16 to £17 10s. per ton; Japanese is quoted for shipment at keen prices. BLEACHING POWDER.—British material in minimum 4-ton lots of 35 to 37 per cent. chlorine, £8 12s. 6d. per ton, in softwood casks, carriage paid. Some foreign material competitive. BORAX.—British makers' prices reduced as from June 1: commercial, granulated, £14 10s.; crystals, £15 10s.; powdered, £16; extra fine powder, £17; B.P. crystals, £23 10s.; powdered, £24; extra fine, £25 per ton, in free 1-cwt. bags, carriage paid in Great Britain. BORIC ACID.—British makers' prices reduced as from June 1: commercial, granulated, £25 10s.; crystals, £26 10s.; powdered, £27 10s.; extra fine, £29 10s.; large flakes, £38; B.P. crystals, £34 10s.; powdered, £35 10s.; extra finely powdered, £37 10s. per ton for 1-ton lots and upwards, in free 1-cwt. bags, carriage paid in Great Britain. FORMALDEHYDE.—Due to severe competition, the market is quoted cheaper; business has been fairly good: 40 per cent. by volume, £24 10s. to £25 10s. per ton, in casks, ex store; lower prices for big quantities. ISOPROPYL ALCOHOL.—British material is quoted at £5 12s. per cwt., ex works, in drums. LEAD ACETATE.—Prices have improved with the market steady but rather quiet: brown, £31 7s. 6d.; white, £34 15s. per ton, in casks, ex store. LITHOPONE.—A moderate business is reported, market steady: 30 per cent. red seal, £17 10s. to £18 per ton, ex store. OXALIC ACID.—Quite good business is being done with prices maintained. Bulk quantities, £48 15s. per ton, in casks; smaller lots, 57s. to 58s. per cwt., in kegs, ex store. POTASH CAUSTIC (88 TO 92 PER CENT. SOLID).—Dealers' prices are about steady at £35 7s. to £36 12s. 6d. per ton, in drums, ex store, as to quantity. POTASSIUM CARBONATE.—Dealers' prices are rather easier with very fair business moving: 90 to 92 per cent., £27 to £27 10s. per ton; 96 to 98 per cent., £30 to £30 10s. per ton, in casks, ex store; slightly lower prices for contracts. POTASSIUM CHLORATE.—Prices for ton lots are at about £36 10s. ex store; small parcels, about 4½d. to 5½d. per lb. POTASSIUM PERMANGANATE.—Market is quoted rather dearer and is steady, business fair: commercial quality, in two-cwt. drums, 8¾d. to 9¼d. per lb., ex store. POTASSIUM PRUSSIATE.—A limited business only, quoted unchanged: yellow, £74 10s. to £77 per ton, as to quantity. RED LEAD.—Convention prices continue steady: English, 5/10 cwt., £26; 10 cwt./1 ton, £25 15s.; 1/2 tons, £25 10s.; 2/5 tons, £25; 5/20 tons, £24 10s.; 20/100 tons, £24; over 100 tons, £23 10s. per ton, less 2½ per cent., carriage paid; non-setting red lead, 10s. per ton dearer in each case; Continental material, £1 per ton cheaper. SAL AMMONIAC.—Values are steadier with rather more business being done: dog-tooth crystals, £35; medium, £31 10s.; fine white crystals, £16 10s. per ton, in casks, ex store; slightly less for contracts. SALTCAKE.—Makers quote for home trade, 63s. 6d. per ton, in minimum truck lots, carriage paid. SODA CAUSTIC.—British makers' home trade prices are steady: 70 to 72 per cent., £13 12s. 6d.; 76 to 77 per cent., £14 per ton, carriage paid on contracts; spot, 10s. per ton extra. SODA CRYSTALS (CARBONATE).—The domestic market is steady at makers' prices: £5 to £5 5s. per ton, in bags, f.o.r. makers' works. SODIUM ACETATE.—Moderate business with the market steady: £21 15s. to £22 per ton, in casks, ex store. SODIUM BICARBONATE.—British makers quote refined, in bags, £10 10s. per ton, carriage paid, for home trade. SODIUM CHLORATE.—Dealers are quoting ton lots at about £32 10s., ex store; smaller parcels, 4d. to 5d. per lb. SODIUM HYPOSULPHITE.—Seasonal business with makers' prices steady. Photographic pea crystals, £14 10s. per ton, in 1-cwt. kegs, carriage paid on minimum 2-ton lots. Commercial, £10 5s. per ton, in 2-cwt. bags for minimum 2-ton lots, carriage paid. SODIUM PRUSSIATE.—Dealers' prices steady, business limited: quantities, 4¾d. per lb.; smaller parcels, up to 6d. per lb., ex store. WHITE LEAD.—English, less than 5 tons, £35 10s.; 5/15 tons, £30 10s.; 15/25 tons, £30; 25/50 tons, £29 10s.; 50/200 tons, £29 per ton, less 5 per cent., carriage paid; Continental, £1 per ton cheaper; ground in oil, English, 1/5 cwt., £45; 5/10 cwt., £43; 10 cwt./1 ton, £42 10s.; 1/2 tons, £41 10s.; 2/5 tons, £40; 5/15 tons, £37; 15/25 tons, £35 10s.; 25/50 tons, £35; 50/100 tons, £34 10s. per ton, less 5 per cent., carriage paid; Continental material £2 per ton cheaper.

## Fixed Oils, etc.

THE recent improvement in these markets has not been maintained. Business has been restricted and some products are quoted easier. Palm oils are cheaper and dull. Linseed oil is steady and American Turpentine is unchanged on the week. ACID OILS.—Rather more business with prices a point better: coconut and/or palm kernel, 16s. 6d.; groundnut, 15s. 3d.; soya, 14s. 3d., spot. CASTOR.—Market is quite steady, business moderate: pharmaceutical, 37s. 6d.; first pressings, 32s. 6d.; second pressings, 29s. 6d. (barrels); cases, £4 per ton extra, ex mills, Hull, in not less than one-ton lots; Bombay, 23s. (drums), c.i.f. COCONUT.—A limited business, market steady: deodorised, 23s. 6d. (barrels), spot; Ceylon, mill, 13s. 1½d. (drums), c.i.f. COTTON.—Values for all grades are maintained, business quiet: deodorised, 20s.; common edible, 18s. 6d.; soapmaking, 18s.; crude, 15s. 6d. (barrels), spot. GROUNDNUT.—Market has been slow, values unchanged: deodorised, 25s. 9d. (barrels), spot; crude Oriental, 18s. 6d. (drums), c.i.f. LINSEED (RAW, NAKED).—The market weakened early on but has now recovered and closes steady and about level on the week: on spot, 24s.; June, 22s. 7½d.; July-August, 23s.; September-December, 23s. 4½d.; January-April, 23s. 3d. Boiled oil, 26s. 3d., spot. OLIVE.—Fair business with the market quite steady: edible, in tins in cases, 70s. per case of ten gallons; B.P., 5s. per gallon, in 40-gallon barrels. PALM.—Values for all grades are again easier and the market is quiet: Lagos, 12s., shipment; softs, 11s. 9d., shipment; mediums, 12s., shipment; hards, 12s. 6d., shipment; bleached, 15s. 1½d., spot. PALM KERNEL.—Business has been slow: deodorised, 23s. 6d.; crude, 16s. 6d., spot. RAPE.—Keeping about steady on a rather quiet market. Refined, 31s. 6d.; crude, 30s. RESIN.—Values for all grades are easier, market dull: B, 13s. 9d.; D, 14s.; F/G, 14s. 6d.; N, 15s. 9d.; W/G, 16s.; W/W, 16s. 3d. per cwt., ex wharf. SOYA.—Values show a slight improvement, market steady, quiet: deodorised, 24s.; crude, 19s. 6d., spot. TURPENTINE, AMERICAN.—Business has been quiet and values are maintained, closing steady. Total London stocks, 9,887 barrels; on spot, 47s. 3s. WOOD.—Market continues steady with Hankow in barrels at 47s. 6d., spot.

# Correspondence

**Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor**

### A P.A.T.A. Problem

SIR,—I fail to see any satisfactory justification of his position in Mr. W. O. McBryde's letter in the *C. & D.* of June 2 (p. 634). Surely a member of the P.A.T.A. Council should have a clear conception of the purposes of that organisation. I quote from the "Chemist's Trade Record" (N.P.U., May 16, 1934) concerning the P.A.T.A.:—"The principles on which the organisation rests are antagonistic to price-cutting in general, whether that cutting be applied to P.A.T.A. preparations, non-protected 'patents,' or drugs and pharmaceutical preparations, packed goods and sundries." The member in question adheres to the letter of the P.A.T.A. but ignores the real principles. He has conducted a "massacre" of the prices of everything not covered by the P.A.T.A. . . . He talks of preference to P.A.T.A. lines in window shows. To-day [June 2] I failed to find any such lines in evidence; his window was filled with packed pharmaceutical and toilet preparations at "cut" prices. I agree when he says that control of prices is necessary "in every channel of distribution." I would like to know more of the channels through which Mr. McBryde draws his supplies, and to see some control there. Some of the wholesalers are largely to blame for the present-day slaughter of prices. There should be a standard price, and agreement between manufacturers, wholesalers and retailers. There are other chemists in competitive areas and "poor" districts in Croydon, conducting business at fair and respectable prices. The handbill advertising the "Great Chemist's Sale" has been delivered in Norbury, South Croydon, and Carshalton. Is this all part of Mr. McBryde's "cheap shopping thoroughfare" where he meets his competition? What of the future? Will Mr. McBryde mend his ways, or resign, or must we look around for a new organisation to protect the trade?—Yours faithfully,

DOUGLAS F. S. MILES.

South Croydon.

SIR,—I am in sympathy with "A Younger Pill" in his letter in the *C. & D.* of June 2. I view with great misgivings Mr. W. O. McBryde's election on the P.A.T.A. Council. . . . After being elected to the P.A.T.A. Council his first move should have been to show his sympathy to his brother pharmacists by putting his prices on a reasonable competitive basis as recognised in the trade associations. Personally I have no respect or sympathy for some of the wholesale houses who pander and cater for these types of cutters and then call on younger "pills" with increased terms to them. It is about time a standard price was agreed to with the wholesalers, so that they in turn may reap the benefit by sound and decent trading. I look upon all these types of traders as disturbers of the commercial peace. According to Mr. W. O. McBryde's letter he seems to think that everybody is trying to shut his shop up. I am sure no pharmacist in Croydon entertains that thought. As for his complaint about the high rentals, he informed me many years ago that he had purchased his business premises very reasonably, so why does he grumble? With regard to his remarks "extremely high assessments," these are only just, and are charged according to the position in the town which his premises occupy. At a general meeting of the Croydon and District Pharmacists' Association Mr. W. O. McBryde's methods were severely censured.

Yours faithfully,

S. A. NOBLE.

South Croydon.

SIR,—There is humour in the situation revealed by the pair of letters you are enterprising enough to print. The so-called reply of Mr. McBryde, in spite of its volume, misses his critic's point. If he can hold his head above water only by the old device of price cutting, well and good; that is his affair. But a chemist who can think of nothing more original in the way of making a living ought not to be a pillar of the P.A.T.A., the sole purpose of which is price-maintenance. Perhaps an analogy would make the point clear to Mr. McBryde. Let us suppose that he or I was a member of the Council of the International Vegetarian League, and suppose further that he or I markets a meat extract with his or my "personal guarantee." We might say with truth that we could only maintain our health with the aid of the meat extract—and of course we ought immediately to resign from the Vegetarian League. "Verb. sap.," and I hope that "sap." may after all refer to Mr. McBryde and that he will now do the logical thing. As I am using a pseudonym I will tell him that my problem is the same as his. I have to fight the price cutting of a multiple shop close at hand. What I have done is to foster a personal business in which price cutting is quite unnecessary. I have seen to it that my sales are mainly for my own proprietary remedies. I charge what I think fit, and supplies cannot be obtained elsewhere. Mr. McBryde should do something of the same sort, or at all events think of something more original and more profitable than price cutting, especially if he wishes to retain his influence on the P.A.T.A. I am glad you have printed the letters simultaneously. Readers will have no difficulty in deriving their own conclusions.

Yours truly,

LOGIC (4/6).

SIR,—To assure Mr. McBryde, whose reply to my letter over my pseudonym "A Younger Pill" I have read with much interest, that there was no animosity in my remarks, and in order that your readers shall not be misled into believing that I desire to hide behind a cloak, I wish to disclose now my identity. It is not my good fortune to be a member of the P.A.T.A., because I do not own a business. Nevertheless I can claim to be very deeply concerned in everything which affects the trade as a whole, and for that reason felt constrained to call the attention of your readers to this advertised "Great Chemist' Sale." Your readers will be interested in the full explanation which the P.A.T.A. councillor has made, and it is for them as members of the retail section to discover an agent which will harmonise the clear principles of the Glyn-Jones price-maintenance policy with the explanation which has been given. . . . Finally, may I point out that this correspondence is personal, and that the president and/or Council and members of the Associations by whom I am retained have not either severally or jointly authorised any of the remarks which I have made?—Yours faithfully,

E. OSWALD WELLS,
General Secretary to the S.-E. Associations.

London, S.E.9.

### Liverpool Reminiscences

SIR,—The article in the *C. & D.* of May 19 entitled "McGuffies of Liverpool" brings vividly to my mind the three years in which I was manager of that historic pharmacy for Midgley's, Ltd., after I had closed down on the Cheshire side of the Mersey in 1916. One day an elderly man, evidently a colonial, came in. Could I trace a prescription which was originally made up for his father, before he went out to Australia, somewhere about the year 1860? He said this was his (the son's) first visit to England since. I turned up the books of that period, which were stored in the cellar. The wanted prescription was copied in 1857. I intended looking into those old books at a later date, when things were not so rushed, and seeing how far they went back: they may contain some interesting records.

When the later contingents of American troops were

coming over, a smart U.S. officer rushed into the shop one afternoon. "Give me some morphia, quick." "Who are you?" I asked. "I'm a doctor; there's been an accident—building collapsed, burying a number of men—our stock of morphia injection is used up." "I shall want some confirmation," I said. "Well, come and see for yourself." We went to the top of Water Street; at the bottom was a crowd of people, blocking the road and holding up the traffic. The policeman on duty opposite the Town Hall confirmed the doctor's statement. I got the solution. The outer wall of a four-storey warehouse had fallen outwards, bringing down the three floors laden with grain, a pile twenty or thirty feet high spreading halfway across the road.

Shortly after opening one morning, a well-dressed man handed in a prescription, written on a form bearing a Harley Street (London) address, and hours of consultation, ordering "Inj. Morph. Hypoderm, ʒj," signature illegible. "Sorry," I said, "I do not know you; this is a London script, I should like to verify the signature. Who is the doctor? Will you please call again?" "No, I want it at once." He took up the paper and hurried out. I followed till I saw him enter another chemist's, and come out again. I went in at once and asked if the chemist had supplied him. He had not, for the same reason. The man had then disappeared.

I had on one or two occasions supplied a young doctor with a solution of morphine, his *bona fides* being all "O.K." One day he came a second time, saying he had broken his syringe and lost the solution. I thought it somewhat strange, and hesitated about supplying. He flared up, threatened to report my action, and bounced out of the shop. I rang up a chemist in the district where the doctor resided, some miles from Castle Street. He confirmed my suspicion. After the Armistice a bronzed, alert young fellow in smart khaki came in, smiling. "You evidently don't remember me," he said. "Your face seems familiar," I replied, "but one sees so many different faces here in town." "I've got over it," he said. "I joined up."—Yours, etc.,

C. E. DODSLEY.

Jersey.

### Insulin

SIR,—The withdrawal of the 33⅓ per cent. duty on insulin, which was discussed by the House of Commons on June 4, is, no doubt, duly recorded in your columns. [see p. 647.—Editor.] The obvious conclusion to be drawn from the Chancellor of the Exchequer's statement is that he has given the home manufacturers an invitation to ask for another inquiry, and it is of course possible that the whole matter will again be gone into at further expense to the public and to those interested in the industry. In the paper on "Diabetes and Insulin" which appeared in THE CHEMIST AND DRUGGIST of April 28 I expressly refrained from referring to the trade aspect (and to the political question) of the duty imposed on foreign insulin as the result of the Board of Trade inquiry in November 1933, when the three arbitrators decided by a majority that insulin is a "pure chemical"; but I know that some of those who heard the case argued were of opinion that this decision was against the weight of evidence submitted, not only by the Board of Trade and the agent for the Danish insulin, but even by the complainers themselves. Should a further inquiry be held, it is possible that a different result might be obtained. My object in writing the paper on "Diabetes and Insulin" was to make public certain facts which had not previously been known to the majority of medical men and pharmacists, much less to the man in the street, and in particular to draw attention to the enormous amount of money being paid for insulin under the National Health Insurance Acts. The revelation of these facts, I am informed, came as a surprise to most readers, and it is just possible that they may have had some effect on Mr. Chamberlain's decision to remit the duty on the drug. As to a member's concern lest the home manufacturers may be driven out of business, I have complete confidence that they will rise to the occasion. When the active principle of insulin has been definitely discovered, organic chemists will soon produce a synthetic equivalent, just as they produced synthetic adrenaline, thyroxine and many other medicinal agents.—Yours, etc.,

T. MABEN.

London, S.E.24.

### Drugs: Uses and Misuses

SIR,—I was very pleased to read the article "Drugs: Their Uses and Misuses" (*C. & D.*, May 26, p. 589), especially coming so close to the last annual meeting of the Pharmaceutical Society. At this meeting they acclaimed themselves as benefactors to the public in regard to the public health. Dr. J. M. Johnston makes the position quite clear. We as chemists, trading in the sale of proprietary articles and drugs of no therapeutic value, are simply business men amassing wealth by virtue of the public's ignorance. The usual defence put forward as regards having to supply what the public desire no longer holds good, as is aptly shown by his statement, "The more a proprietary medicine is advertised, or requires to be advertised, the less its value." The responsibility rests mainly on the shoulders of the pharmacists, through the channels of the Society, who are now strong enough to boycott those drugs which authority has proved to be valueless or detrimental to the health of the public. Let us go forward with the times; if a system of dietetics is more in keeping with the health of the public than a course of drugs then let us support such a movement of natural curatives and be in fact what we acclaimed ourselves.—Yours faithfully,

HEALTH BEFORE WEALTH (31/5).

SIR,—In his lecture at Edinburgh on "Drugs: Their Uses and Misuses" Dr. Johnston commenced by saying that the accurate definition of a drug is extremely difficult. But with the general public the term "drugs" has become synonymous with "dope," and this misinterpretation has been perpetuated by the unfortunate use of the term "dangerous drugs" to designate substances which in themselves, so far as dosage is concerned, are not really dangerous compared to more powerful poisons. It is a usual occurrence now for customers, when purchasing some remedy, to ask for an assurance that there are no drugs in it. In the latter part of the lecture most of the favourite remedies of the present day are dismissed as being therapeutically inactive and useless; compound syrup of hypophosphites is one of the most frequently prescribed galenicals, but we are told that it has no medicinal effect except for the strychnine content, the hypophosphites being wasted. Presumably the same indictment applies to emulsion of cod-liver oil with hypophosphites, quinine and phosphorus tablets, and many similar preparations. It makes one suspect that many other things are nearly as useless. After the war we were told that the large amounts of quinine used for malaria had no effect on that complaint, and that the iodine ampoules served out for immediate application to wounds had no antiseptic value; and I have read that one might as well use plain water as trust to lysol for a disinfectant. But it is possible that in these combinations of drugs the "inactive" ingredients may play some part which we do not yet know, analogous to that of a catalyst.—Yours faithfully,

FIDES (4/6).

### Noise in the Pharmacy

SIR,—In reading the report of the address given at Liverpool by Mr. R. H. Henriksen on "The Design and Equipment of a Hospital Dispensary" (*C. & D.*, May 19, p. 555) I noticed that he twice made mention of the arrangements of the dispensary so as to eliminate noise. In designing a hospital dispensary, especially where the building is new and there are no pre-existing arrangements to overcome, such details as freedom from noise and interruption, accessibility of shelves, goods entrance and so on can be allowed for; but one cannot help contrasting the conditions under which the hospital pharmacist works in his comfortable surroundings with the daily struggle in the retail pharmacy. In the latter noise is constant and unceasing. In a main thoroughfare there is the continuous roar of traffic mingled with the efforts of street musicians and the monotonous moan of the loud speaker at the radio emporium. The dispenser

has to work in spasmodic intervals; and even if he is not actually interrupted by having to serve at the counter, there is the passing to and fro of other assistants and the conversations with customers going on in his hearing, and other noises which do not make concentration easier. In a small pharmacy the dispensing department is also frequently the unpacking floor for goods coming in, and part of the counter is in use for packing stock. In the circumstances the results speak well for the adaptability of the retail chemist.

Faithfully yours,
INTERRUPTED (28/5).

### Part-time Studies for Preliminary Scientific Examination

SIR,—The policy of the Pharmaceutical Society, as enunciated by the president, in ceasing to recognise part-time courses of instruction for the Preliminary Scientific examination will place an insuperable barrier to further academic progress in the trouble-strewn path of those students whose parents have not the affluence of the president and his colleagues. The student who elects to attend part-time courses does so, primarily, to economise his meagre capital; because of his restricted mode of living he works assiduously, and owing to the protracted nature of his course he learns all his syllabus methodically, and his errors are gradually eliminated under the guidance of a painstaking teacher who has the time to become intimate with his pupils. Under such circumstances, a youth equips himself efficiently, not only for examinations, but for the strife of pharmaceutical shop-keeping also. The youth, however, whose path is not overshadowed by financial clouds attends full-time courses, where he receives so many lectures in a short period of time that he is unable to comprehend them; therefore he turns to more pleasant diversions, and as a result fares badly in his examinations. When he ultimately succeeds, his professional pretensions fit him well as a toady to the doctor, whom he expects to send patronage his way. Under the auspices of the Education Committee in my town we obtain part-time courses for nothing; under other recognised day courses the expenses would approximate to £21. In view of this fact, and from the point of view of loss of salary, I fail to see how the policy of the Society is conducive to the best interests of students.

Yours, etc.,
P. T. S. (31/5)

### Shops Registration Fee

SIR,—Mr. C. Harold Coxon, discussing the "Shop Registration Fee" (*C. & D.*, May 26, p. 607) says that although the proprietor pharmacist has to pay two fees he has two profits out of which to pay them, because he has the profit over and above his salary, while a company shop has profit only. This seems to me a very doubtful argument. In the first place the income-tax authorities do not consider that a single proprietor has any salary—he only makes a profit on which he is taxed, while a company is taxed on the net profit after the salaries of its servants and directors have been paid. In the second place if one did allow the value of the proprietor's services in the shop, the profit left over is his interest on the money he has invested in the business, and he is as much entitled to it as he would be to the dividends on the shares in a company if he had invested his money in that way instead of purchasing a business of his own. One would not suggest that the manager of a company shop should pay two fees if he held a block of shares in the company. In the case of a company the manager pays his own personal fee in order to be qualified to superintend the business, and the company pays the registration fee, but with the single proprietor the two fees come out of one pocket. I do not think that a fee in proportion to the rateable value would be equitable; in some districts the assessments have been increased in recent years far beyond the business value of the site, and it may be that the pharmacist with a large assessment is not in such a good financial position as his fellow in a quieter thoroughfare.

Yours faithfully,
TWO FEES (4/6).

## Miscellaneous Inquiries

**When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them**

*Verme* (24/5).—WORM SYRUP FOR PIGS.—This is not a syrup, but is castor oil with a very little aromatic oil, which appears to be fennel or something similar.

*J. C.* (4/58).—SCARING RABBITS.—Rabbits may be dislodged from their runs by means of artificial ferrets. These are made by saturating cotton-wool with a strong solution of potassium or sodium nitrate, forming into cylindrical pieces 6 in. long, having previously sprinkled the inner surface with pulv. capsici. Tie the cylinders at intervals. The end of one of these is lighted and placed in the rabbit run with a sod of earth to cover the entrance, so that the fumes travel inwards. A method of tainting rabbits from their burrows is by smearing the entrance to the burrows with a compound made by boiling black sulphur (1 lb.) with train oil (1 pint) and turpentine (1 pint), and making up to 1 gallon with paraffin oil. Another scaring liquid is a mixture of essential oil of camphor and turpentine with paraffin oil. Ol. animale, known as fox oils, is also employed for this purpose. Ol. picis is sometimes used, but we are unable to say to what extent it is successful.

*M. B. W.* (7/58).—GREENHOUSE WHITE FLY.—A mixture of potassium or sodium cyanide (1 part) and sodium bicarbonate (3 parts), both in fine powder and mixed as required, provides a method of slow generation of hydrocyanic acid gas for greenhouse fumigation. For each thousand cubic feet of space 1 oz. of the mixture is laid (without touching by the hands) on the paths at dusk. Water is withheld from the plants during the day, and the ventilators are left open during distribution. After shutting the ventilators and locking the door, the greenhouse is left overnight and not entered until after it has been vented for at least an hour. Tetrachlorethane has proved to be a safe and simple means of controlling greenhouse white fly on tomatoes. This is used as a fumigant at the rate of 2 to 5 fl. oz. per 1,000 cubic feet of air space. The temperature of the glasshouse should not be below 60° F., and preferably as near 70° F. as possible. No special apparatus is required, the liquid being allowed to evaporate at suitable places, such as by impregnating pieces of sacking and suspending them from the wires. Another advantage over cyaniding is that there is no need to check transmission of water in pot plants before applying. In addition, the toxicity of the vapour is negligible. Some growers fumigate once a fortnight (using 2-2½ oz.) as a precautionary measure in the early part of the season.

## Retrospect of Fifty Years Ago

**Reprinted from "The Chemist and Druggist," June 14, 1884**

### Uses of Seaweed

The use of seaweed as food has often been suggested, and to some extent various algæ have been so employed . . . . *Rhodomenia palmata*, or dulse, is still sold in the streets of Edinburgh and Glasgow, and when boiled in milk is considered by some to be the best of all vegetables. . . . Seaweed has been tried as manure. . . . When this century began, kelp made from seaweed, chiefly on the Scottish coasts, was employed for making soap, and was worth from £20 to £22 per ton. . . . Kelp . . . was the great source of iodine until about ten years ago, but just as the demand for iodine seemed to promise expansion the Peruvian product came on the market, and once more to a large extent displaced the long-suffering kelp. . . . While 34s. per lb. was the wholesale price in 1872, only 5s. per lb. is now realised. Mr. E. C. C. Stanford, Ph.C., believes, however, that there is still a future for kelp.

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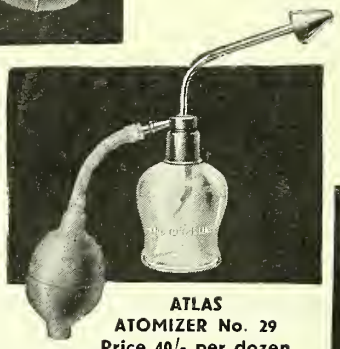

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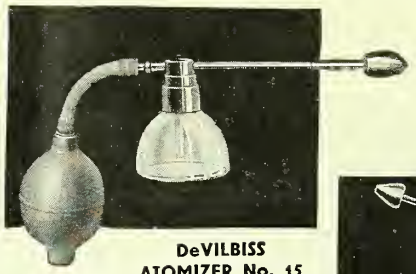

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*Manufactured by* **BOVRIL LIMITED**
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# INNERCLEAN

THE NEW
**Intestinal Laxative**

**RETAIL PRICE 2/6**
**TRADE PRICE 22/6**

*NOW BEING ADVERTISED*

**Brooks & Warburton**
**LIMITED**
**232-240 VAUXHALL BRIDGE ROAD**
**LONDON, S.W.1**

**LABELS LABELS LABELS LA**
**BELS LABELS LABELS LABE**
**LS LABELS LABELS LABELS**
**LABELS LABELS LABELS LA**

# LABELS

**LABELS LABELS LABELS LA**
**BELS LABELS LABELS LABE**
**LS LABELS LABELS LABELS**
**LABELS LABELS LABELS LA**

**JAMES TOWNSEND & SONS,**
**CHEMISTS' PRINTERS,**
**EXETER.**
**LONDON OFFICE: 29, FARRINGDON STREET.**

**LS LABELS LABELS LABELS**

# We owe you an apology

## but . . . . Demand Exceeds Supply

To any Chemist, and there are many, who has experienced delay in receiving his supply of Cystex, the astoundingly successful Kidney and Bladder Tablets—we offer our apologies. We are working day and night to fill orders and still they come rolling in.

There is an *enormous* public demand, created and ever increased by heavy National advertising, for Cystex Tablets, which have already had many years success in Canada, South Africa and the United States.

**Sole Distributors: G. M. Williams & Co., 81 Lamb's Conduit St., London, W.C.1**

**Cystex** BRAND **KIDNEY & BLADDER TABLETS**

(*Pronounced Siss-tex*)

# HERBARAS CURES CONSTIPATION

There is a growing demand for natural treatment for Constipation of which the best example is HERBARAS Seeds of the Plantago type. Herbaras, which is being increasingly recommended by the medical and nursing profession, carries with it a very strong "repeat" business. The goodwill of every local order is handed to the local chemist.

**P.A.T.A. Retail. 1/9 4 oz. 3/- 8 oz. 5/- 1 lb. 9/6 2 lbs.**

*SEND FOR A SPECIAL £1 PARCEL WITH WINDOW DISPLAY TERMS*

**JOHN W. LONGMAN, LTD., Overseas Produce Merchants, 489a Oxford St., LONDON, W.1**

# DINNEFORD'S

*PURE FLUID MAGNESIA*

## GREATLY INCREASED ADVERTISING

Secure your supplies on best quantity discount terms as follows:

| | | |
|---|---|---|
| 6 doz. 1/3 size at 12/- per doz. | less 12½%★ | = 10/6 per doz. |
| or 3 doz. 2/6 size at 24/- per doz. | Minimum value of order £3-3-0. | = 21/- per doz. |
| or the equivalent in mixed sizes. | | carr. paid home |

★You undertake to display a showcard for not less than 14 days

*Order direct or through your usual wholesalers*

DINNEFORD & CO. LTD. DINNEFORD HOUSE 12 CLIPSTONE ST., LONDON, W.1

# NEPENTHE.

**THE SAFEST AND BEST PREPARATION OF OPIUM.**

The word "Nepenthe" is registered under the Trade Marks Act, and is our exclusive property. No substitute may be dispensed when "Nepenthe" is ordered in a prescription. "Nepenthe" comes within the regulations of the Dangerous Drugs Act, 1920.

**FERRIS & COMPANY, LIMITED, BRISTOL.**

**BLYTON, ASTLEY & CO. LTD.**
**Eagle Laboratories, Lr. Broughton, Manchester,**
FOR
**LOZENGES, PASTILLES, "MENTHELLS," and Quick-Selling SPECIALITIES.**

**COMPRESSED TABLETS**

COATED or UNCOATED
Standard or Private Formulæ
Wholesale Buyers write
**T.H.WALTON & Co.Ltd**
BATLEY

# The Fruits of PUBLICITY

An old and well-established laxative, conservatively advertised on a small scale, has become much more popular in the last few months as a result of a bolder scheme of advertising. The makers of Tamar Indien Grillon and the chemists who sell it are now reaping the fruits of publicity in the shape of a large and constant demand for this superior and effective fruit laxative.

**TAMAR INDIEN GRILLON**

*All enquiries to:* GUYOT-GUENIN & SON (DEPT. CD), 67 SOUTHWARK BRIDGE ROAD, LONDON, S.E.1

# A CONCENTRATED PYRETHRUM EXTRACT

## TESTED CHEMICALLY AND BIOLOGICALLY

containing

the killing principles of 37½ pounds

Japanese Pyrethrum Flowers

in each imperial gallon

Chemically adjusted to contain 4·13 per cent. Pyrethrins (Tattersfield method)

Dilute 1 gallon with 29 gallons of kerosene base to produce a superior household fly spray

*Stabilized against deterioration*

# PYREFUME SUPER 30

*Clarified by controlled refrigeration*

Product checked BIOLOGICALLY for knockdown and kill by Peet-Grady method

PYREFUME SUPER 100 contains 13·75% Pyrethrins

Concentrated Pyrethrum Extracts

in

Acetone, Alcohol and Pine Oil

are available

for the manufacture of Horticultural Sprays

Fly Sprays manufactured from Pyrefume Super 30 do not deposit or stain

## S. B. PENICK & COMPANY

132 Nassau Street,

NEW YORK, U.S.A.

**Agents for BRITISH ISLES: C. F. GERHARDT, LTD., 5 Fenchurch Street, E.C.3**

**Dr. Ritsert's**

**Rhinoculin - Cream**

for

# HAY-FEVER

**Over 30 years' successful record. Retail 3/- per doz. 30/-**

***Special terms to Wholesalers***

*Agents:* **BUTLER & CRISPE**

80/84 Clerkenwell Road, London, E.C.1

## HARKNESS, BEAUMONT & CO., LTD.

*Wholesale and Export Druggists, Malt Extract Manufacturers.*

**JUNCTION BRIDGE WORKS, LEITH.**

Manufacturers of all kinds of Malt Products, Lactomaltine, Sunray Malt and Malt and Oil, Strenthol Vitamin Malt, Kem-Malt (Malt Extract with Parrish's Food), Kem-Malt and Oil (Malt and Oil with Parrish's Food), Bonum Irradiated Emulsion, Bonum Cod Liver Oil Emulsion, Sunray Vitamin Cream, Liquid Extract of Malt, Special Liquid Cascara, Cascara Cordial, Sunray and Lucca Cream Olive Oils, and General Packed Specialties.

*Telegrams:* "Mercury" Edinburgh. *Telephone:* Leith 1326–1328

**AN**

## Old-Established Favourite

**brought up-to-date!**

SUPER TONIC TABLETS

# IRON-OX

BRAND

New pack, new special display outer, new showcards, new national advertising campaign, and therefore new life for an old favourite, with bigger and quicker sales than ever.

Generous Trade terms.

*Full particulars on application to :—*

PHARMACAL LABORATORIES LTD.,

64 HATTON GARDEN, LONDON

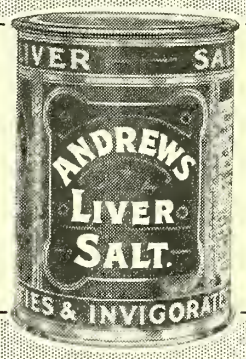
## VITAMINS A and D
### IN THE RIGHT PROPORTION

Scientific investigations have shown that the human body requires a minimum supply of vitamins which must not only be quantitatively adequate but which should be administered in the right proportion.

Scientists concur in the opinion that Norwegian Medicinal Cod Liver Oil contains vitamins A and D in necessary quantities and in the right proportion i.e. 500 vitamins A and at least 200 vitamins D per gram.

It is also an established fact that vitamins from a natural source, as afforded by Norwegian Medicinal Cod Liver Oil, are more beneficial in their effects than the synthetic product.

# NORWEGIAN COD LIVER OIL
WORLD-FAMOUS FOR ITS HIGH QUALITY




## IN EVER-GROWING DEMAND
## 9d & 1/4

## ARCHANIUM
RECOGNISED BY MANY DOCTORS AS THE
**BEST REMEDY** *for*
**RHEUMATOID ARTHRITIS, OSTEO-ARTHRITIS, LUMBAGO, SCIATICA, NEURITIS, RHEUMATISM.**

Liberal Terms.
Write for full particulars to Distributors:
STAPLETON & SON, 34 Yew Tree Road, SOUTHBOROUGH, Kent.
Rep. in Ireland: R. I. VINT, 6 Elgin Rd., Dublin

# CALDER YEAST TABLETS
50 Tablets 7d. — 100 Tablets 1s. 0d.
Discounts: Retail 33⅓%, Wholesale 16⅔%. Carriage paid on all Orders.

## *YEAST IMPROVES THE COMPLEXION*

Can now be obtained in Cartons of 1 & 2 doz. bottles, containing 50 tablets, and Cartons containing 1 doz. bottles of 100 tablets.
Supplies of Calder Yeast Tablets may be obtained through Wholesalers and—from The United Yeast Company Ltd., London, Birmingham, Bristol, Leeds, Manchester & Newcastle.

**Calders' Yeast Co. Ltd.,** INVERKIP STREET, **Glasgow, C.5.**

**Supreme in their class**

**AGOCHOLINE**

Combination of Magnesium Sulphate and Meat Peptone, used as a cholagogue and cholecysto-kinetic.

**PASSIORINE**

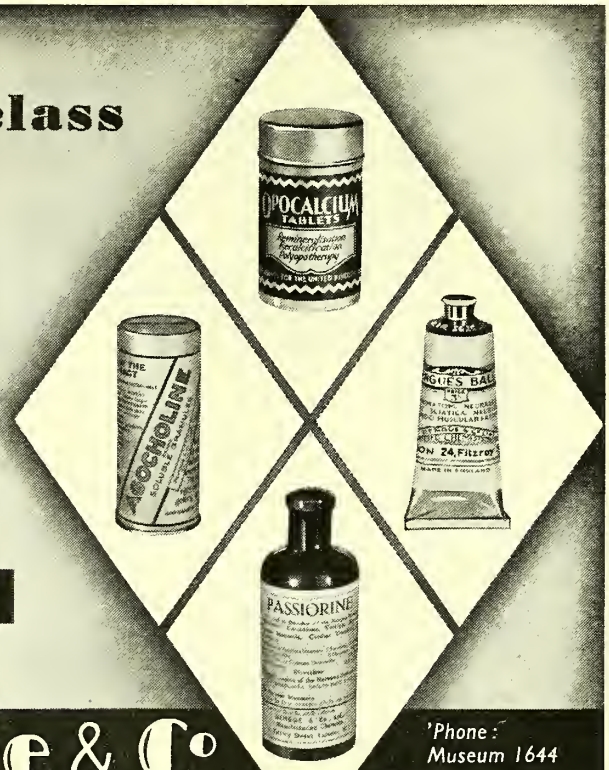
Fluid extract of Passiflora Incarnata, circulatory and nerve sedative. A non-toxic preparation.

**OPOCALCIUM**

A remineralising agent composed of mineral salts and gland extracts. Recommended for Tuberculosis, Rickets, &c.

**DR. BENGUÉ'S BALSAM**

Gives almost instant relief in cases of Rheumatism, Neuralgia, Lumbago, &c.




**Bengue & Co LTD.**
24 FITZROY ST., LONDON, W. I.

'Phone: Museum 1644
'Grams: "Anestile, London"

FOR
**HALIBUT OIL & PREPARATIONS**

*Pure Halibut Liver Oil*

*Capsules and Emulsion*

WRITE
**LOFTHOUSE & SALTMER LTD. HULL.**

**Robb's**

**NURSERY BISCUITS**

**REDUCED PRICES & NEW PACK**

**Now 3d., 6d. & 1/5 cartons also tins 2/5, 4/11 & 8/6**

REVISED PRICES EFFECTIVE TO THE PUBLIC FROM MAY 1st.

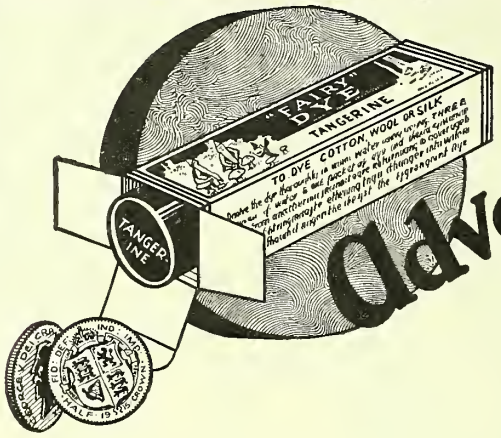
To be obtained of all Principal Wholesalers.

Write for revised Price List.

Show Materials and Literature forwarded on application.

Alex Robb & Co Ltd
(Dept. C.T.2), Nursery Biscuit Factory,
**ATKINS RD, LONDON, S.W.12**

*Manufacturers of Table Rusks, Ginger Nuts, Charcoal Biscuits, etc*




# Advertised goods yield quick Profits

## FAIRY DYES

are big sellers—always in popular demand. They mean quick turnover and liberal profits. Fairy Dyes are forging steadily ahead and you should periodically inspect your stocks.

Retailed **at 2d.** per tube—attractively packed. 31 shades and colours.

Be wise—stock

**LONDON DEPOT: 292 UPPER ST., ISLINGTON - N. 1**

**Fairy Dyes**

**FAIRY DYES, LTD., GLASGOW. N.W.**

## A Market as wide as the Male Population

You can sell "Litesome" Body Belts to every man, for every man stands in equal need of its safe protection. Although it is worn so widely by athletes and sportsmen, the "Litesome" Body Belt is not only for them. Every man, in his everyday work and relaxation runs the same risk of overstrain with its serious consequences of rupture, varicocele and prostate gland. It is only necessary to show

to sell it and one sale quickly leads to many more. The present position enjoyed by the "Litesome" Body Belt has been reached as much by recommendation as by any other means. Send now for sample and terms. Retail at 4/6 (5/- Overseas). Made in two sizes 28-34 and 34-40 inch waist.

**FRED HURTLEY LTD., Victoria Park Mills, Victoria Road, KEIGHLEY**

The original 6d. packet Brand is now indisputably world famous. Its ever-increasing popularity has enabled us to include an additional Towel

*Towel Makers for 80 years*

**ARTHUR BERTON, LTD.**

"BRITANNIA HOUSE"

256-260 Old Street, London, E.C. 1

'Phone: Clerkenwell 1346-7-8-9
'Grams: Aybelim, Finsquare, London

MANCHESTER:
36 Chapel Street
'Phone: Blackfriars 4536

GLASGOW:
29-31 Duke Street
'Phone: Bell 702

TRADE TERMS
LIST LESS
33⅓%

# THE "MILLETT" ATOMISER

We know—old stocks on the shelf—limited demand, and many other arguments against stocking fresh supplies of Atomisers. All true no doubt, but these applied to the old type; highly priced, with obvious disadvantages (awkwardness in use, difficulty of cleaning the container, etc.). But now with the "Millett" it is no longer true. Reasonably priced, it readily commends itself to the Medical Profession and public alike. Why not stock the Atomiser you ***can*** sell.

**Model "N"** (as illustrated) is specially designed for treatment of the nose and throat.
**Model "U"** is for more general and nasal use, and generously priced at **2/6d.**
**Model "G"** specially designed for Gynecological treatment.

Atomisers LIMITED

**13 GT. PULTENEY STREET, LONDON, W.1**
Telephone: Gerrard 1054.

Sole Agents:— MIDLANDS: Southall Bros. and Barclay Ltd. LANCASHIRE and CHESHIRE: Ayrton, Saunders & Co. Ltd. (also agents for S. Africa and Australia). YORKSHIRE: Lofthouse & Saltmer Ltd. SOUTH WALES: I. Roland James Ltd. SCOTLAND: Munro, McLaren & Sutherland. STOCKISTS: Barclay & Sons Ltd. Brooks & Warburton Ltd. Butler & Crispe. May, Roberts & Co. Ltd. Sangers Ltd.

PROPRIETORS OF THE MILLETT ATOMISER PATENTS, MAKERS OF FINE SPRAYERS & ATOMISERS

# THIS HOUSEHOLD REMEDY HAS A BIG SALE

**Cephos** REGD
Pronounced See-foss
THE PHYSICIAN'S REMEDY

*Retails at 1/3 and 3/- in powders or tablets*

*Single Powders 2d. each*

For
HEADACHE
NEURALGIA
SUMMER COLDS
RHEUMATISM
LUMBAGO
SCIATICA

*from your usual wholesaler or write direct*

***SHOWCARDS & DISPLAY MATTER***
Sent upon application to Cephos Ltd., Blackburn, whether you obtain supplies from us or elsewhere.

***Cephos Ltd. Blackburn***

# *EFFALKA*

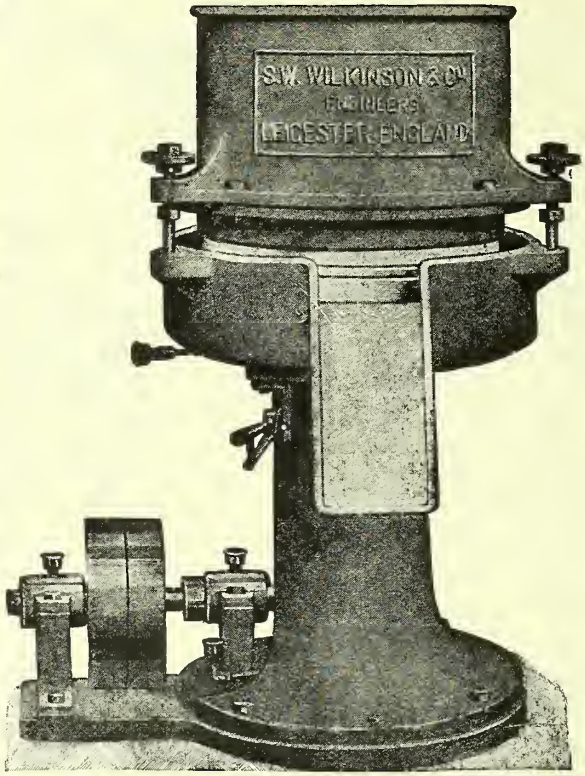
***A new and efficient Antacid***

**In two sizes:**

**2-oz. — 2/-**
**14-oz. — 10/6**

*MADE BY*

**HARWOODS (CHEMISTS) Ltd.**
**Rickmansworth Road, WATFORD, HERTS.**



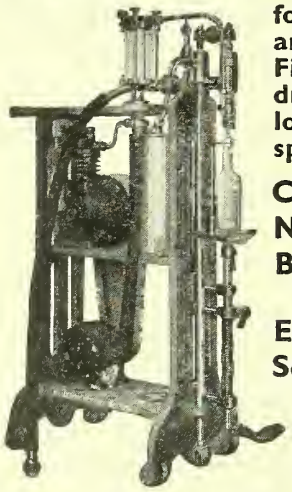

## The Latest Triumph in
# OINTMENT MILLS

THIS ILLUSTRATION SHOWS THE NEW
***SUPER SPEEDY MILL***

THERE are now approximately 300 of S. W. WILKINSON's original Speedy Mills in use by British and other Manufacturing Chemists. A number of the new Mills are now in use and are giving much success and pleasure to the users and much credit to the designer and maker. Splendid testimonials have been received. The new Mill is the result of nearly 20 years' experience with the original Mill and the various uses to which it has been applied.

**S. W. WILKINSON & Co.**
*Chemical Engineers*
**Western Road - - LEICESTER**

ROBERTS' PATENT
# "LEO" VACUUM FILLER

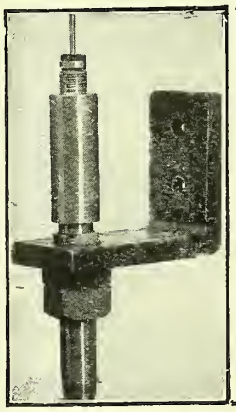


**for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart—long, short or sprinkler neck.**

**Clean and Rapid**
**No Over Filling**
**Broken Bottles Rejected**
**Easy to Clean**
**Self Rinsing**

*WRITE FOR PARTICULARS*

**Roberts' Patent Filling Machine Co.**
T. ROBERTS, Proprietor,
**33 Roundcroft Street, Bolton, Lancashire**
**Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use.**
*ALL RIGHTS RESERVED*



# SPRINKLER BOTTLES
**Automatic Rinsing**

Can be connected to the town's water supply by metal or india rubber hose pipe.

By merely passing the mouth of the bottle over the jet and pressing the bottle downwards water is automatically sprayed into the bottle. The water completely drains away from the bottle as it is withdrawn.

*Further particulars may be obtained from the makers:—*

**The THOMAS HILL Engineering Co. (HULL), Ltd.**
**9 PARK LANE, STEPNEY, HULL**

WE SUPPLY
# DECORATED TINS
FOR PACKING
# OINTMENTS
AND OTHER PRODUCTS.
*SAMPLES AND PRICES UPON REQUEST.*

**THE CALDICOT TIN STAMPING WORKS LTD.**
CALDICOT, Nr. CHEPSTOW, Mon.

# SHERLEY'S

## DOG & CAT MEDICINES

are always in popular demand. They are prepared by fully qualified Analytical and Pharmaceutical Chemists under the supervision of a veterinary expert and have reached their present big sales because of their purity, safety and efficacy.

Extensive advertising, generous trade terms, including extra discounts for £2 parcels and Window Display, make the Sherley range of Products the ideal lines for you. Keep a stock always on hand to meet the demand in your district for these quick-selling lines.

*A postcard brings full details*

**A. F. SHERLEY & Co. Ltd., 18 Marshalsea Rd., London, S.E.1**

**Sherley's Worm Capsules and Powders**
**Tonic & Condition Powders**
**Insect Powder**
**Canker Lotion & Powder**
**Skincure**
**Cough Tablets**
**Fit Tablets**
**Lintox for Distemper**
**Distempercure**
**Wound Lotion**
**Eye Lotion**
**Formalin Soap**
**Shampoo Dry Shampoo**
**Dry Cleaning Powder**
**Dry Cleaner**
**Lactol & Lactol Biscuits**

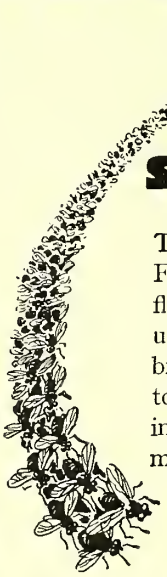
# GUARD YOUR CASH

by the systematic check provided by a Gledhill Till. It gives you a simple, efficient check on every penny received and secures you from leakage for a lifetime. Over 100,000 in daily use—let that fact decide your choice on a genuine British-made Gledhill.

*Send for particulars*

**G.H.GLEDHILL AND SONS LIMITED**
**16 TRINITY WORKS HALIFAX**

# Flies in flight means sales in sight



Turn flies into profit. Stock Wasp Flyband—the quickest, most hygienic fly-killer on the market. It takes up no room on your shelves, but it brings in regular and satisfied customers. And Wasp Flyband lasts indefinitely. Get ready for the demand now. Place your order to-day.

# WASP FLYBAND

*Manufactured by*

**F. W. Hampshire & Co. Ltd., Sunnydale, Derby**

BUTTERFLY BRAND

# ADHESIVES

We specialise in Adhesives for every purpose.
Your enquiries will be appreciated

**SAMUEL JONES & CO., LTD.**
BRIDEWELL PLACE, LONDON, E.C.4.
Tel: Central 6500

# BETTER . . . AND BRITISH

● AT LAST !

Hitherto weather conditions in this country have made it difficult to produce a first class rubber preventative. However, by constructing special air-controlled chambers in our new Slough factory we have at last succeeded in perfecting a **British** product which is far better than anything yet put on the market — a product which is, in fact, recommended by the **medical profession.** The quality is superior in every respect.

All SELKA Products are **TROPIC PROOF** and will keep in good condition for at least 3 years in any climate.

**AT LAST** you may sell BRITISH and still sell BEST

*Samples and Prices on Request*

**SELKA RUBBER WORKS, Ltd.**

***Works: Trading Estate SLOUGH (Bucks)***

***Sales Offices:*** **109, Charlotte St., London, W.1.**

'Phone: Museum 9143

# Please note

**That we are now established in our new premises and are in a position to execute orders without any delay**

## G. H. ZEAL, Ltd.

**MORDEN ROAD, MERTON, LONDON, S.W. 19**

*Telephone: Liberty 2283/4/5.*

**ZEAL CLINICAL THERMOMETERS**

# "SURCO"

RELIABLE

## ELASTIC HOSIERY

SEAMED & SEAMLESS

For special garments to measure we maintain a 24 hour service.

:: BODY BELTS ::
TRUSSES :: SUNDRIES

*Write for Catalogue.*

**SURGICAL HOSIERY CO., LTD.**

**Russell Street :: NOTTINGHAM**

Telephone No.: 75903. Telegrams: SURGICAL, NOTTM.

# The contraceptive with a professional policy

**CONFIDENCE** is an old word, and one that has been used — and abused — many times in advertising. However, it is the foundation of all business and professional relationships. And we are once again speaking of confidence—particularly the confidence which J. & J. products help to create in the minds of both prescriber and patient. Ortho-Gynol may be depended upon *to control conception* with the minimum disturbance of the natural function, and is as far advanced as modern research has made possible.

*Ortho-Gynol is only being offered through the pharmaceutical trade. Write for full details and trade terms.* **4/6** *per box of SIX complete units.*

Johnson & Johnson (GT. BRITAIN) LIMITED
Slough, Bucks

# ortho-gynol

THE DEPENDABLE CONTRACEPTIVE

RELIABLE

**BRANDS YOU CAN RECOMMEND**

CULTIVATE PRESTIGE by showing these "CHEMISTS ONLY" products

MORFI

TRANSPARENT 27/- per gross. Retail 2/6 packet of 3
IVORY 24/- " " Retail 2/- " " 3

OVER 20 YEARS
*experience in the manufacture of*
TRANSPARENT PREVENTATIVES

Since 1912 Fromms Act Rubber Works, Ltd., have been producing goods of the highest possible quality, *hot vulcanized and guaranteed to keep fresh for three years in any temperature.*

Fromms Act

TROPICPROOF—GUARANTEED
to keep fresh for 3 years in any temperature, made of the very finest quality materials.
36/- per gross. : Retail 3/- per packet of 3.

ATTRACTIVE SHOW MATERIALS SENT ON REQUEST.

HERBERT FROMM

ALDWYCH HOUSE,
LONDON, W.C.2.
*Telephone:* HOLBORN 4870.

# You should send for this FREE prospectus now!

This year the Hairdressing Fair is going to be the largest and most comprehensive exhibition of its kind ever yet held anywhere. Although there will be many thousands of feet more space than previous years, the number of exhibitors is already beating all records.

All the well-known perfumery houses, and manufacturers of toilet and fancy goods will be represented and large orders for autumn and Christmas lines are placed at this famous exhibition.

In addition to this lavish display of goods there are a number of different attractions and competitions.

You should send for this prospectus now which gives you full details of stands available and prices. Do it now—to-day—before it is too late.

## A bigger, better, brighter

# HAIRDRESSING FAIR

EMPIRE HALL · OLYMPIA

## SEPT 25—OCT 4

Summer time -
Insect time !

OTANGO
VANISHING
CREAM
FOR INSECT BITES & STINGS
Retail P.A.T.A. 1/- Wholesale 7/6 per dozen
Display Terms on application.
THE BRITISH DRUG HOUSES LTD.
LONDON, N.I.

OTANGO CREAM
Non Greasy and absolutely harmless to the most delicate skin.
Made in England by THE BRITISH DRUG HOUSES LTD Manufacturing Chemists. LONDON N.1.
B·D·H

T.2.

Printed in Great Britain for the Proprietors by EYRE AND SPOTTISWOODE LIMITED, His Majesty's Printers, East Harding Street, London, E.C.4, and Published by the Proprietors, MORGAN BROTHERS (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.—*June* 9, 1934. [1½]

# The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

JUNE 9, 1934


## ADVERTISEMENT TARIFF

**ALL ADVERTISEMENTS are PREPAID,** so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

**BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES**—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

**SITUATIONS OPEN**—6/- for 40 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

**SITUATIONS WANTED**—2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

**LEGAL NOTICES, TENDERS, AUCTIONS,** and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column). (Box No., 1/- extra.)

**MISCELLANEOUS (Wholesalers') Section** for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less. (Box No., 1/- extra.)

**EXCHANGE COLUMN** (for Retailers, etc.)—**Twopence** per word, minimum 2/-. (Box No., 1/- extra.)

**THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2**

*Telephone: Central* 6565 (8 *lines*). *Telegrams: "Chemicus, Estrand, London."*

## CLOSING FOR PRESS.

*All advertisements intended for insertion in this Supplement must reach us not later than* **FIRST POST THURSDAY MORNING**


# ORRIDGE & CO. 56 LUDGATE HILL, E.C.4

**ESTABLISHED 1846** *Telephone No.: CITY 2283*

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

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5.—ESSEX (SUBURBAN).—Working-class Cash Retail Business with panel, Kodak and Rexall Agencies; returns approach £3,000 per annum; net profit over £800 per annum; chartered accountants' figures; comfortable living accommodation; low rent; price £900 plus stock and fixtures at valuation or £1,800 all at.

6.—WIMBLEDON (NEAR).—Middle and Working-class Cash Retail Business established 35 years; returns £1,550 per annum increasing; comfortable living accommodation; bathroom; three bedrooms; rent £78 per annum; long lease; price £1,100 or near offer.

7.—PADDINGTON (NEAR).—Main road Cash Retail Business with good panel; returns £2,200; living accommodation; rent £150 per annum; valuation terms entertained.

8.—HARROW (NEAR).—Good Middle-class Retail Business with increasing turnover; returns approach £2,400; flat available if required; long lease at reasonable rental; valuation terms entertained and if necessary Vendor would remove stock to accommodate a purchaser.

9.—CRICKLEWOOD (NEAR).—Good Middle-class Retail Business with increasing turnover last year £2,237; double-fronted shop; exceedingly well fitted in light oak; stock worth about £700; modern living accommodation with bathroom; in good state of repair; rent £200 per annum; 18 years' lease; despite the fact that the stock and fixtures are worth £1,500 the Vendor will accept as an all-in figure £1,250; Vendor going in for the Medical.

10.—LONDON (SOUTH-EAST).—Cash Drug Store and Herbalist Business; in present hands 12 years; good profits; living accommodation; price £400 all at; Vendor retiring.

11.—SOUTHERN COUNTY.—Country Retail Business established 175 years; returns £3,200; good profits; further details to genuine applicants with £2,000 at command.

12.—BERKSHIRE.—Cash Drug Store established 1890; returns last year £894; net profit £300; net rent £18 per annum; price all at £350.

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19.—KENT (COAST).—Cash Drug Store for disposal; returns over £1,100 per annum; net profit last year £283; good living accommodation; rent £65 per annum; lease; price £900 or near offer.

20.—DERBYSHIRE.—General Retail Business with good panel; returns last year £1,321; accommodation; rent £52 per annum; stock and fixtures worth £600; the first reasonable offer will be accepted; ill-health the sole cause of sale.

21.—BIRMINGHAM.—Cash Retail Business established 50 years; returns, 1933, £1,080; net profit approximately £350; audited accounts; living accommodation; rent £52 per annum; price £485.

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(C1) LONDON SUBURB.—Two businesses, both with main-road situations, may be available shortly for private negotiation, either jointly or separately; respective turnovers approximately £3,000 and £2,500 per annum, with very low rentals; living accommodation in both instances; total price asked £4,500; chemists likely to be interested are invited to write, in confidence, for particulars, which can only be forwarded upon receipt of satisfactory references.

(C2) HANTS.—Good-class business very old-established; turnover upwards of £3,000 per annum, and steadily increasing; reasonable rental; long lease; price by negotiation.

(C3) SOMERSET.—Old-established family and dispensing business with good living accommodation; turnover approximately £2,300 per annum; net profit about £550; rent £100; very long lease; fixtures, goodwill and lease £1,050; stock at valuation; offers considered.

(C4) DEVON.—Unopposed country business, established over 50 years; average net profit for past two years, £610 per annum; good living accommodation, with every convenience; rent £60; price £1,800 all-at.

(C5) SOUTHERN COUNTY.—Established business for disposal owing to retirement; turnover approximately £2,000 per annum; net profit upwards of £500; rent £86, including good living accommodation; price £850 for goodwill and fixtures, plus stock at valuation; strongly recommended from personal knowledge; the business possesses excellent scope for further development.

(C6) MANCHESTER (NEAR).—Exceptional opportunity to acquire excellent profit-earning business at a very low figure for a quick transaction; genuine reasons for disposing; turnover for 1933, £1,588; rent £90, including living accommodation; long lease; price all-at £700, including stock, £400.

(C7) WEST-END.—Family and dispensing business, available for purchase owing to special, but genuine, circumstances; present returns approximately £1,100 per annum, and steadily increasing; reasonable purchase price; excellent scope, particularly under personal proprietorship.

(C8) SURREY.—Excellent profit-earning business with steadily increasing returns, can be acquired at a very reasonable figure for a quick transaction; present turnover approximately £30 per week; no opposition; full details upon application; early enquiry recommended.

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(C10) LONDON, N.W. (DEATH VACANCY).—Old-established pharmacy, situated in good-class district; average returns approximately £2,000 per annum; good living accommodation; offers invited for purchase of business and leasehold property.

(C11) MANCHESTER SUBURB.—Exceptional opportunity to acquire substantial and progressive business at a very low figure for a quick transaction; good reasons for disposing; turnover upwards of £1,850 per annum and steadily increasing; reasonable rental; good position; price to comprise little more than value of stock and fixtures; early enquiries strongly advised.

(C12) NORTH WALES.—Prominently situated good-class pharmacy, for over 30 years under present proprietorship; turnover for 1933, £2,285; gross profit £750; reasonable rental on long lease, or property could be purchased; living accommodation; price £350, plus value of stock and fixtures; owner retiring.

(C13) SOUTH WALES.—Pharmacy situated in commanding position of popular seaside town; present turnover approximately £1,500 per annum, with abundant scope for further development; property can be purchased or leased; further details upon application.

(C14) BRIGHTON.—Main-road cash business, with excellent potentialities, can be acquired for a quick sale at an all-in figure of approximately £650; turnover about £20 per week, with plenty of scope for development; reasonable rental, including living accommodation; full details upon application.

(C15) PITSEA (NEAR).—Recently established pharmacy, with excellent potentialities and good living accommodation; present turnover approximately £20 per week; rent £75, or freehold could be acquired; reasonable purchase price.

(C16) GLAMORGAN.—Attractive modern pharmacy, with up-to-date house, situated in congenial seaside resort; present turnover approximately £1,000 per annum, with excellent scope for considerable further increase; very reasonable rental; price about £750, including stock, £400.

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3.—WESTCLIFF-ON-SEA.—Well-established Light Retail, with good Prescribing; main-road position; turnover exceeds £1,300; net profit £348; house attached; fully stocked; price valuation, plus small goodwill.

4.—SOMERSET (Seaside).—Well-established Drug Stores; Kodak and Selo Agencies; returns last year £612; good chance for Qualified Chemist; rent £50 clear; modern lock-up shop in residential district; price £375.

5.—CHESHIRE.—Country Drug Stores; returning £730 under management; plenty of scope; rent only £20; net profit £240; stock worth £200; owner retiring; price for early sale £300.

6.—BERKS.—Old-established Drug Store in main-road position; returns £900, net profit £300; rent £70, sublet £52; long lease; price £350.

7.—NORTH LONDON (few miles out).—Good Middle-class Suburban business; returns average £2,000 under manager; scope for increase; splendid corner position; low rent; excellent house; well fitted and fully stocked; price £1,600; recommended.

8.—ESSEX SUBURB.—Medium Light Cash Retail with good Panel; returns £1,360 under management; modern pharmacy with living accommodation; good stock; audited books; price £750.

9.—ST. PANCRAS (near).—Light Cash Retail with N.H.I. and Photo, in thickly populated district; returns under manager over £1,100; scope for increase; smart double-fronted shop, well stocked; low rent; price for early sale £650 or near offer.

10.—WIMBLEDON.—Light Family Retail, with Photo; pleasantly situated; returns £950; no immediate opposition; rent £78; attractive shop, with house attached; stock and fixtures worth over £500; price £700 or offer; recommended.

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668. **MANCHESTER** (Near). Old-established, owner retiring. Double-fronted shop in main road. Cash receipts £1,000 per annum. Good N.H.I. Kodak and Selo. Good living and warehouse accommodation. Doctor opposite. Young man could show considerable increase. Rent 22s. 6d. per week, plus rates. Price £750.

666. **MANCHESTER.** Middle-class residential district, established by vendor 8 years. Receipts £32 per week. N.H.I. scripts 300 per month. Excellent living accommodation to rent. Well stocked. Price £800. This is an exceptionally good business.

671. **BIRMINGHAM.** Good middle-class business established five years, one owner. Returns £18-£20 weekly with small N.H.I. Excellent living accommodation, small garden and garage. Rent £70. Vendor is asking the low price of £500 for quick sale, which is barely the price of the stock alone.

679. **MANCHESTER.** On main road, good compact, easily-worked business. Receipts £19-£20 weekly, which includes N.H.I. averaging £20 a month. Good photo trade, Kodak and Selo and Ucal agencies. Well fitted and stocked. Good living accommodation. Rent 38s. per week inclusive. Reason for disposal ill-health of vendor's wife. Price £600.

677. **MANCHESTER** (Near). Old-established business in good shopping area in vendor's hands five years, double-fronted corner-shop. Ucal, Kodak and Selo agencies. Receipts £18 a week plus £22 N.H.I. per month. Good living accommodation at very low rental. At present under management. Price £500.

675. **LANCS. TOWN.**—In vendor's hands 37 years, now retiring. Lock-up modern shop on main road. Wine Licence. Receipts £15 weekly, could be greatly increased by younger man. Price, stock and fixtures at valuation, about £700. No goodwill.

680. **DERBYSHIRE** (Inland Resort). Good family dispensing business established 50 years, in vendor's hands nine years. Kodak and Wine Licence. Returns, 1931, £1,400; 1932, £1,300; 1933, £1,250; at good prices. Rent £68. Good living accommodation with separate entrance. Price £750. A really good business.

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KENT COAST.—For Sale, Drug Stores; Kodak Agency; rapidly growing district; suit Qualified man; double-fronted shop, house and garden; well fitted; freehold and goodwill £1,200; stock at valuation; or would let, rent £75 per annum; fixtures, fittings and goodwill £400; stock at valuation. 62/10, Office of this Paper.

LANCS. (main road).—D.F. Shop; thickly-populated area; cash trade; N.H.I. average 650 per month; living accommodation; price, value of stock and fixtures, about £600; would suit young, energetic man. 63/20, Office of this Paper.

LEEDS.—Drug Store; recently established; in growing district; opposite doctor's surgery; splendid opening for young Qualified; turnover last year £900; unlimited scope for increase; modern fittings and up-to-date stock; modern lock-up shop; rent only £40 per annum; long lease if desired; £550 cash; only wants seeing. Apply 62/18, Office of this Paper.

LIVERPOOL.—Chemist's Business for Sale; turnover £28 per week; rent (including rates) £75; living accommodation over shop also available if required; price £550, excluding debts. Apply Lewis & Mounsey, 3 Lord Street, Liverpool.

LONDON, S.W. (good position).—Double-fronted corner Lock-up; no opposition; returns last year £1,100 (have been much more); net profit £320 approximately; scope for considerable increase; stock £225, fixtures £150; sacrifice owing to ill-health; first genuine offer of £500 accepted. 64/27, Office of this Paper.

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PURLEY (Surrey).—Nicely fitted double-fronted Shop on busy main road; good-class Chemist's Business; turnover £1,500 per annum, and increasing; rent £150 per annum; self-contained flat above, now let at £65 per annum, inclusive; fitted Optical Room, large Store Room; price £850 for goodwill, expensive fittings and lease, plus stock at valuation. W. H. Allen & Co., 6 Obelisk Parade, Lewisham.

SOUTH COAST.—A splendid opportunity of acquiring a Business in an ideal position, opened 7 months only; surgery next door; well-fitted and stocked; ideal living accommodation; premises can be rented or purchased easily; genuine reason for disposal; Kodak and Rexall Agencies; a sound proposition, with inspection; turnover at present averages approximately £20 weekly; price £400 plus stock at valuation. 63/46, Office of this Paper.

SOUTH COAST.—First-class Dispensing Business; nicely fitted; double-fronted; lock-up shop; taking £1,500; rent £75 and rates; long lease; price £1,150. 63/8, Office of this Paper.

WAKEFIELD (village near).—Unopposed Chemist; established by vendor 11 years; double-fronted shop; main road; modern house, three bedrooms, bathroom, w.c.; average turnover last 3 years £964; average scripts 657 monthly; goodwill and fixtures £160; stock at valuation, about £250; scope for increase. Marsden, Chemists' Valuer, 29 Oakwell Crescent, Leeds, 8.

A SMALL Toilet Soap Factory for Sale; London; established 2½ years and now making profits; capable great development; price £575. 243/718, Office of this Paper.

CHEMIST'S Business for sale cheap; doing £25 under management; capable of great extension under owner control; good house attached; lease granted; South Yorkshire colliery area; early improvement expected industrially; at valuation of stock and fixtures only. Further particulars apply to Moon, Chartered Accountant, Westminster Buildings, High Street, Doncaster.

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FOR SALE.—Exceptional bargain; Herbal Business in main-road position; very old established; London, near West End; owner retiring; £15 per week net profit; price £1,300 or reasonable offer. P.C.B. 122/32, Office of this Paper.

MIDDLE-CLASS Business in modern colliery village, Co. Durham, established 20 years; large N.H.I.; net profit about £350; double-fronted shop; well stocked, nicely fitted; weighing machine, Kodak film machine; long lease; modern house available with good garden; further particulars on application; price £850. 63/51, Office of this Paper.

£375.—KENT COAST; established 6 years; lock-up shop; turnover £900; very low rent; Kodak dealer; growing neighbourhood; selling owing to lack of capital; takings considerably increased with extra stock. 63/39, Office of this Paper.

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MIDLANDS OR SOUTHERN COUNTIES.—Required on behalf of private client with capital available for immediate purchase, sound business showing returns of approximately £50 per week, or possessing definite scope for increase to not less than that figure; Chemists open to negotiate are invited to write under guaranteed assurance of confidence, and an early introduction can be arranged. Ernest J. George & Co., 329 High Holborn, London, W.C.1.

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AGENTS, with connections among Doctors and Hospitals, to introduce Infra-Red Apparatus, &c.; wide exclusive territories granted to capable Salesmen; car owners preferred, but not essential; generous commission terms. This apparatus has no competition, and there are no objections to carrying other lines. P.C.B. 122/11, Office of this Paper.

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BLACKPOOL.—Required immediately, Qualified Lady or Gentleman; state age, experience and salary required. Tattersall, 45 Bank Hey Street, Blackpool.

LIVERPOOL.—Qualified Junior Assistant required at once. Please apply (by letter in first instance), giving age, experience and salary, to G. R. Tharratt, Pharmaceutical Chemist, 4 Myrtle Street, Liverpool.

LONDON, E.—Qualified Assistant; give full particulars of experience, names of references, when disengaged, age and salary required. Apply (letter only), Chemist, 37 Sydner Road, Stoke Newington, London, N.16.

LONDON, N.W.—Qualified Manager (not over 35); good salary and commission to the right man. Particulars as to age, height references and photograph to 64/5, Office of this Paper.

LONDON, N.W.10.—Lady Assistant wanted, Unqualified, with good general experience in Dispensing, Counter work and Window-dressing; please give full particulars of experience, with age and salary asked. Davies, 59 Dudden Hill Lane, Willesden.

LONDON, S.E.—Qualified Junior Lady or Gentleman; good Dispenser and Counter; salary £4 weekly. Send full particulars and experience to 63/42, Office of this Paper.

LONDON, S.E.—Unqualified Junior as Relief Assistant, from June 18 till end of September. Apply by letter, stating full particulars, experience, age, salary required and when disengaged, to J. W. Rumsey & Sou, 535 Lordship Lane, S.E.22.

LONDON, S.E.9.—Wanted, capable and energetic Qualified Managing Assistant for good-class business; must have good Counter experience. Please send particulars, experience, age, references and salary required, to Mr. Price, c/o Mellin & Co., Chemists, 90 High Street, Eltham, S.E.9.

LONDON, S.W.—Qualified Assistant (Lady or Gentleman) required for small branch; salary 70s. Particulars to 63/53, Office of this Paper.

LONDON, S.W.—Qualified Assistant, reliable Dispenser and good Counterman (age 23-25); knowledge of Photography useful. Apply, stating full particulars of experience and salary required, to 56/22, Office of this Paper.

LONDON, W.—Wanted immediately, Qualified or Unqualified Chemists of good appearance and address; first-class Salesmen and preferably good Window-dressers. 243/715, Office of this Paper.

LONDON, W.1.—Qualified Assistant (Male) wanted for Dispensing Business; state full particulars of age, experience and when disengaged. 242/699, Office of this Paper.

MANCHESTER.—Wanted, young, energetic, Qualified Assistant; working-class district; N.H.I. and Cash Retail; at once; permanency for good man; state full particulars, salary, &c., Tomlinson's (Manchester), Ltd., 21 Embden Street, C.-on-M., Manchester, 15.

NOTTINGHAM.—Young Qualified Man; some Photographic knowledge desirable. Courtenay, 12 Southwell Road.

N.W. SUBURB.—Young Lady required for Dispensing; used to N.H.I.; opportunity to learn Toilet and General Counter work. Apply, giviug full particulars, to 62/13, Office of this Paper.

A QUALIFIED Assistant required for S.E. London; light duties; permanency. Also a vacancy for elderly gentleman, Qualified, requiring short hours. 63/48, Office of this Paper.

A VACANCY will shortly occur for a Qualified Lady; permanent and progressive position. Apply with full particulars to Hedley Pratt & Co., Ltd., Measham, Burton-on-Trent.

ASSISTANT Wanted for middle-class business in E. London; must be a quick and accurate Dispenser; full particulars, salary required, &c., and photo in first letter. 243/714, Office of this Paper.

EXPERIENCED Assistant wanted for July, August and September, possibly longer; qualification not essential if capable, experienced, accustomed to good-class business, educated, and of good address; give particulars in first letter. Mr. E. J. Hughes, The Pharmacy, Melksham, Wilts.

JNIOR Assistant wanted for high-class Retail Dispensing and Photographic Business situated nine miles from London; must gentlemanly and courteous; please state all particulars, experi- e and salary required; personal interview preferred, or photo be returned). 63/17, Office of this Paper.

JNIOR Assistant wanted for 2 weeks from June 18 to July 1. Apply, with salary required and photo, to E. W. Tayler, Chemist, Sherborne, Dorset.

ADY Assistant; Qualified; must be thoroughly experienced Dispenser; temporary only, but may lead to permanency; ndon. Apply, giving full particulars, to "A.," 242/707, Office this Paper.

ADY Assistant, Unqualified, required from June 25 to July 21; West London. Write, stating particulars, references and ary required, 63/3, Office of this Paper.

ADY Qualified Chemist (over 25); must be capable of taking charge; full particulars, salary required, &c.; applications t answered in 7 days respectfully declined. Linley Shaw, Ltd., emists, 20 Hutcliffe Wood Road, Beauchief, Sheffield.

OCUM, immediately, for Monday, June 11, till July 7; Qualified; abstainer; trustworthy; under 30; with undeniable erences; £4 weekly. Davies, 5 Amwell Street, E.C.1. 'Phone: rminus 3439.

OCUM, M.P.S., required at once, Hants coast; practical man; 30-40; with Photographic experience; single-handed; possible nagership right man. 63/35, Office of this Paper.

OCUM.—Qualified, male, for an indefinite period; minimum 14 days; single-handed; work and hours light; must be capable d trustworthy; to start almost immediately. Apply in person 50 Palmer Street, Westminster, S.W.1.

OCUM, Qualified, required for three weeks from July 1; Lady or Gentleman; small good-class business; live in if desired. ease state age, salary required and usual particulars to Chemist, iftbridge Parade, Ewell.

OCUM required; fortnight commencing Monday, July 16, to Saturday, July 28, inclusive; also one week, Monday to turday about mid-September; date optional. Apply, stating fees d details, Pharmacist, Co-operative Society, Ltd., Ashton-under- ne.

OCUM.—Young Qualified Assistant required as Locum; July 2 to August 3, or from July 9 to August 12; state full partilars of salary, experience and references in first letter. J. E. oth, Chemist, Farnborough Road, N. Farnborough, Hants.

OCUM.—Young Qualified for 2 months or longer; state age, salary required; London, northern district. 63/23, Office of is Paper.

ANAGER.—Chemist-Optician, J.C.Q.O.; experienced, resourceful and constructive; for first-rate modern branch of well-known m; knowledge of Surgical Fitting; Veterinary and Toilet Trade a finite advantage; state full particulars first letter, age, height, arried or single, when disengaged, salary required, and enclose cent photo. 242/708, Office of this Paper.

ANAGER with Optical Qualification for suburban business near London. Give full particulars, stating age and salary required, 4/14, Office of this Paper.

M.P.S.—Young Lady or Gentleman required immediately for small Gloucestershire Pharmacy; comfortable berth id permanency to suitable person; moderate salary. Please state ll particulars in first letter and enclose photo if possible to 63/7, ffice of this Paper.

ART time, S.W. London district, for a few hours on Saturday afternoons; suit student. Full particulars in first letter o photos, please) to 64/18, Office of this Paper.

QUALIFIED Assistant, capable of single-handed branch management, required by 20th; good Counterman and Windowresser, and with good references. All particulars to "East Kent," 3/41, Office of this Paper.

QUALIFIED Assistant for old-established Dispensing Business, North Staffs; permanency for right man; full particulars of revious experience, Veterinary and Agricultual, if any; state age, alary expected and references; photo if available; applications not nswered in 7 days respectfully declined. 61/8, Office of this aper.

QUALIFIED Assistant wanted, with first-class Counter and Dispensing experience, for West End business; must be of good ppearance, good Salesman and good worker. Apply, with full pariculars, to A. Maitland & Co., 8 Torrington Place, Gordon Square, V.C.1.

QUALIFIED Assistant (23-26) wanted immediately for working-class district. Give full particulars of experience, names of eferences, salary required to N.I., 64/8, Office of this Paper.

QUALIFIED Chemist; experience essential; state wages, age (20/24). Apply P.C.B. 122/15, Office of this Paper.

QUALIFIED; for branch in outer W. London; give full details of experience; state age and salary expected and when able to tart; good prospects for right man. 64/140, Office of this Paper.

QUALIFIED, for small branch business, of smart appearance and good address; required for June 18; give full particulars n letter, stating salary required; applications not answered in days respectfully declined. J. M. Hughes, Ltd., Chemists, High Wycombe, Bucks.

QUALIFIED Lady Assistant, used to N.H.I. and brisk Counter work, for S.W. London; state age, salary required, and when free; excellent prospects for successful applicant. P.C.B. 122/34, Office of this Paper.

QUALIFIED Lady or Gentleman required immediately for small business. State full particulars, age, salary, experience to M. S. Bonsor, M.P.S., 1 St. Stephen's Road, Leicester.

QUALIFIED Lady or Gentleman wanted shortly; light duties; short hours; permanency. "Midlands," 64/10, Office of this Paper.

QUALIFIED Lady required; accustomed to middle-class trade. Write, stating salary required, also experieuce, to Mackney, 138 Station Road, Sidcup.

QUALIFIED Man, young, wanted for small seaside business, Portsmouth district, for the season; apply, stating full particulars, age, experience and salary required. 63/19, Office of this Paper.

QUALIFIED Manager wanted for Midland town; practical knowledge of Photography, including Developing and Printing, essential. Apply (enclosing references), stating age and experience, 63/4, Office of this Paper.

QUALIFIED, M.P.S., Lady or Gentleman, required for holiday period (6 to 8 weeks); light Retail and N.H.I. Apply, giving full particulars, age, height, salary, photo if possible, to Smith, 176 Oxford Street, Grimsby.

SUPERINTENDENT, M.P.S., wanted; light duties; would suit elderly or semi-retired if within easy access. Reply in confidence, 61/5, Office of this Paper.

TAYLORS BRITISH CHEMISTS have vacancies for Qualified Staff; permanent and relief. Apply Retail Staff Department, Box 141, Leeds, 4.

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TIMOTHY WHITES are shortly opening branches in Salisbury, Bath, Maidstone, Southampton, St. Albans, &c., and will require First-class Managers of sound ability and experience; previous managerial experience essential; good salaries, permanencies and free removal available to the right men. Apply, giving full particulars of age, experience, salary required, to Staff Manager, Timothy Whites, Chemists, Portsmouth.

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TWO VACANCIES (Qualified Assistant and Dispenser).—Catto, Ltd., 49 Cranbrook Road, Ilford, require a Qualified Assistant; duties chiefly Dispensing. Also Lady Dispenser. Full particulars, stating age, height, experience, salary expected, &c., photo (which will be returned), to Mr. A. Catto.

UNQUALIFIED Assistant wanted, Male or Female, with Dispensing experience, for a few weeks' Relief work, commencing June 11. Apply at once, stating age, wages and full particulars, to the Paignton Co-operative Society, Ltd., Winner Street, Paignton, Devon.

UNQUALIFIED Assistants required for the summer season; applicants must be well-up in modern Pharmacy, energetic and live business men; good salary and commission; permanencies will be offered to competent men. Apply, giving age, full particulars of experience and salary required, to Staff Manager, Timothy Whites, Ltd., Chemists, Portsmouth.

VELOX PRINTERS.—Two Young Ladies wanted; previous experience essential; comfortable situation; within easy reach of London. Osborne's, Photo Chemists, 64 North Street, Guildford.

WANTED.—A Qualified Chemist; good Dispenser, excellent Counterman and expert Window-dresser with original ideas. Write, stating age, experience, salary, when free, to P.C.B. 122/31, Office of this Paper.

WANTED, an Assistant; principally for the Developing and Printing Department. Apply Reed, Chemist, Ilfracombe.

WANTED for branch shop, Assistant with good general knowledge N.H.I. Dispensing and Counter work. Please write, giving full particulars of experience, age and salary required, to Bewells' Ltd., 19/21, Pitfield Street, N.1.

WANTED, for high-class business in Hampstead, N.W.3, part-time Qualified Assistant. In first place send letter, giving full particulars, times available and salary required, to E. G. Stevens, 33 Sussex Road, Carshalton, Surrey.

WANTED IMMEDIATELY.—Qualified Lady capable of managing branch shop; permanency for suitable applicant. Apply in person, or by letter, giving full particulars, age, salary, &c., to 99 Whitton Road, Twickenham.

WANTED.—Junior Assistant for quick Counter Trade; no Dispensing, but must know and be able to talk about Photography, and also have some idea of Display (not crêpe paper). Send usual particulars please and state salary required to Osborne, Photo-Chemist, 64 North Street, Guildford.

WANTED (near Birmingham).—Qualified Lady Assistant, July 9 to 21. Apply 64/16, Office of this Paper.

WANTED.—Qualified Assistant for South Coast business, June 23; experience not essential; salary £3; permanency. Apply, giving full particulars, enclosing photograph, if available, 63/37, Office of this Paper.

WANTED.—Qualified Chemist for working-class district on N.E. Coast; brisk N.H.I., Counter, Photography and Window-dressing; salary £3 10s. Give fullest particulars and photo if possible to 63/43, Office of this Paper.

WANTED.—Qualified Chemist (under 30); S.E. London. Write, stating age, &c., to 64/12, Office of this Paper.

WANTED.—Qualified Chemist-Optician, with a good experience in all branches of the Optical Trade and a good Window-dresser; enclose photo and state age and salary required and when free; only men of first-class character need apply. Apply 61/1, Office of this Paper.

WANTED.—Well-educated, gentlemanly Youth as Apprentice or Improver in high-class Chemist-Optician's business. Cheetham, 31 Tothill Street, Westminster, S.W.1.

YOUNG Assistant (Male) wanted; must be good Window-dresser and obliging Counter Man; send photo, wages required and when free. Barnett, Chemist, Winsford.

## WHOLESALE.

LONDON House requires the services of a limited number of Gentlemen calling on Chemists and Druggists in the Midlands, West, South-West Coast and Scotland, giving in exchange a remunerative commission; well advertised lines. Apply 242/712, Office of this Paper.

A FINE proposition is open to part-time Travellers that will quickly and steadily add to their incomes; a sound selling line supported by advertising, showing good profit to the trade and good commission to representatives; districts available: Eastern Counties, Midlands, South-Western Counties, Wales. Those with real live connection among Chemists write fully to Managing Director, Extermino Chemical Co., Ltd., Wotton-under-Edge, Glos.

EXPERIENCED Travellers wanted, with good connections, for Perfumery, Toilet and Household Goods; salary and commission. Write or call Jean Perfumery Co., Ltd., 66-72 Princelet Street, Brick Lane, E.1.

PHOTOGRAPHIC TRADE.—Representatives wanted for London, Midlands, Lancs and Yorks, having first-class connection with Chemists and Photographic Dealers; only first-class men can be considered. Reply 242/709, Office of this Paper.

REPRESENTATIVE required to handle remarkable quick-selling Summer Novelty, followed by several first-class Christmas Lines; real novelties, not imitations; not a whole-time job, but very useful sideline; territories open: Midlands, Home and Eastern Counties, S. Wales; commission basis; sell to Stores, Chemists and Hairdressers. 60/4, Office of this Paper.

REPRESENTATIVES for all areas required to carry two good 3d. lines: "Tendo for Tender Feet" and "Antys Dry Cleaner"; commission only; exclusive territories, commission 12½ per cent.; state area covered and other lines carried; only first-class men need apply. 61/4, Office of this Paper.

REPRESENTATIVES wanted for Birmingham and district, also North and East London and South Wales, by well-known Manufacturer of First-class Toilet Articles; commission and part expenses. Reply in confidence, stating lines carried, to 61/7, Office of this Paper.

TRAVELLERS calling upon Photographers, Chemists and Grocers desiring a profitable series of Sidelines are invited to write P.C.B. 122/23, Office of this Paper.

WANTED, immediately, Representatives for first class Soap and Perfumery House in the following areas: City and N. London, Midlands, N. Wales and Cheshire, Northumberland, Durham, &c., Yorkshire, &c., Sheffield, Derby and Notts. Send full particulars, record, &c., in confidence, W., c/o F. S. Cleaver & Sons, Ltd., 4 Lloyd's Avenue, London, E.C.3.

YOUNG Man of selling ability and experience, with connection among Chemists in Yorks, Lancs and Northern Counties, required by London Manufacturing Chemists; permanent and progressive position for the right man; write in confidence, stating territory now covered, age, experience (including Retail, if any) and remuneration required, also when available; must live on territory and be car owner; no stamps. 243/713, Office of this Paper.

## COLONIAL, INDIAN AND FOREIGN.

AN Important German firm of Manufacturing Chemists require a Young Pharmacist for their offices in Germany; unimpeachable references necessary; knowledge of German language not essential. State fullest particulars in strict confidence to 242/693, Office of this Paper.

# SITUATIONS WANTED.

A.A.—QUALIFIED (34), married, seeks Manager's position in London; thoroughly reliable; excellent references; £4 weekly; free fortnight. 63/27, Office of this Paper.

A.—LOCUM, permanent, tall, reliable; experienced most branches; day or night; keen Photographer; Unqualified; low salary. Mac, Wotton-under-Edge.

A QUALIFIED Manager, disengaged, 20 years' experience, requires position as Branch Manager, London or Suburbs. Davies, 109 Alexandra Drive, Surbiton, Surrey.

ALL-ROUND, thoroughly experienced Unqualified Assistant, with sound West End and provincial references; 40. "Reliable," 21 Disraeli Road, Putney, S.W.15.

AS Locum, Manager or Assistant, "not registered"; over 30 years' London experience; whole or part time; Counter, Book-keeper, Dispensing and worker; London only. "Prescriber," 130 Scott-Ellis Gardens, N.W.8.

ASSISTANT or Locum, Unqualified; thoroughly competent and reliable; good personality and address; last 2 situations 10 years; West End experience; highest references. "A.," 41 Selwyn Avenue, Richmond.

ASSISTANT, Unqualified, desires position, anywhere; best all-round West End experience; disengaged. "M.," 25 St. Stephen's Road, Bayswater, W.2.

ASSISTANT, Unqualified; experienced Counter, Dispensing; part time, locum. Write C. G., 2A Yalding Road, Bermondsey, S.E.16.

ASSISTANT (21) desires change to Manchester district; excellent references; competent Dispenser and generally capable; free oue month. 62/8, Office of this Paper.

ASSISTANT (25), Part I; expert Dispenser; used to high-class Family trade. "Bromide," 41 Hillcross Avenue, Mitcham, Surrey.

ASSISTANT (19), Qualified, 4 years' Photographic Counter and Dispensing experience, desires temporary post; free June 11 to July 14. Partridge, 38 Leyton Road, Handsworth, Birmingham.

ASSISTANT; 25 years' experience; Dispensing, Counter, Photo; active; single; unregistered; disengaged. "Aspirin," 61 Fartown Green Road; Fartown, Huddersfield.

CHEMIST (47), semi-retired, good appearance, energetic, conscientious, seeks post as Superintendent, Relief or light duties; London or near; small salary. S., Smith's Library, Muswell Hill, N.10.

CHEMISTS, &c., requiring Qualified Locum, with exceptional experience (England, Wales, French Riviera), should write or wire Hy. C. Meyrick, M.P.S., 8 Sturdee Road, Liverpool, 13. Terms moderate.

DISPENSER-Bookkeeper (34), Lady, requires position June 18; Hall certificate; experience with Chemist, Institution and Doctors; willing to live in or reside in any district. 61/2, Office of this Paper.

EVENING Post; Qualified; excellent references; capable of taking charge; West End experience; London. P.C.B. 122/29, Office of this Paper.

EXPERIENCED Qualified Lady requires position; permanency only considered. 63/32, Office of this Paper.

EXPERIENCED (45), Unqualified; full or part time; excellent references; Dispensing, Counter, Windows, Prescriber, Surgical. A. B., 2 Walham Grove, Fulham, S.W.6.

J.C.Q.O.—Optician seeks responsible position; all Repairs; good knowledge of Pharmacy; West London preferred; excellent references. Apply 287 High Street, Hounslow.

JUNIOR (20), capable and willing, desires situation; good Counter and Dispensing experience. Woodley, 6 Northfield Road, Ealing, W.

LADY Assistant (Hall); 16 years' experience Dispensing, Counter, &c.; good references. Hailey, 7 Chimes Avenue, Palmer's Green, N.13.

LADY Assistant, Qualified, desires locum or temporary post; free June 18; moderate salary. C/o Chemist, Wrotham, Kent.

LADY (28) desires post; 12 years' first-class experience Toilet, Proprietaries, Photo, Surgical; expert Window-dresser. 64/22, Office of this Paper.

LOCUM or Manager; disengaged July 1; 20 years' all-round experience, including West End. Mason, Heathfield, Shelton Road, Boscombe.

LOCUM, Ph.C., experienced, capable, booking forward; disengaged; any period; anywhere. Anthony, 41A Prospect Hill, Swindon, Wilts.

LOCUM, Qualified; disengaged June 25 to July 16; also August; highest references; fully experienced; registered R.P.U. "Locum," 316 Hillmorton Road, Rugby.

LOCUM, Qualified; middle age; active; reliable; well recommended; sold own business; low terms. B., 57 The Causeway, Potters Bar, Middlesex.

**CLEAR OUT**—your Old or Damaged Stock of Photo Goods.
*Why keep them any longer? Turn them into CASH.*
**I GIVE BEST PRICES** for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.
**S. E. HACKETT, 23 July Road, Liverpool**

**OPTICAL QUALIFICATION**
The next Examination for the
**FELLOWSHIP DIPLOMA**
of the NATIONAL ASSOCIATION OF OPTICIANS will be held in
**LONDON**
on Wednesday and Thursday, **August 1st and 2nd, 1934**
Last date of entry, Thursday, July 5th.
*Syllabus and full particulars from* The Secretary, N.A.O., 130 Princes Road, Liverpool, 8

LOCUM, Unregistered, own business over 20 years, now booking dates; salary and expenses; reliable. Offers to Wilson, 155 Red Bank Road, Bispham, Blackpool.

LOCUM (24), Qualified; now free; London and suburbs only. "Zingiberis," 102 Streathbourne Road, S.W.17.

LOCUM (42), Unqualified; tall; disengaged until July 26; active, reliable; undeniable references; travel immediately; abstainer; moderate terms. Mack, 18 Aycliffe Road, W.12.

MANCHESTER OR SALFORD.—M.P.S. (37), gentleman, desires Managerial Post or Senior Assistant; expert Dispenser; experience in Counter and Window-dressing; conscientious and capable. M.P.S., 247 Regent Road, Salford.

MIDDLE-AGED Unqualified Man; careful; experienced (Counter, Dispensing); permanency; single; Christian; 60s.; references; safe. "Crossways," 4 Spring Gardens, Buxton.

M.P.S., middle aged; Manager or Assistant; good experience and reference; suburbs preferred, not essential. 62/5, Office of this Paper.

POST Wanted in any capacity; unregistered; single; good Prescriber and Counter; either indoors or out; 25 years as manager last appointment. Heely, 259 Underhill Road, Dulwich, S.E.22.

QUALIFIED (27), Manager or Senior Assistant, Welsh, high-class West End, city and country experience, desires change; Wales preferred, but not essential. 63/16, Office of this Paper.

QUALIFIED (24), tall, now Managing, desires situation in Yorkshire; varied experience; keen and reliable; one month notice. 61/6, Office of this Paper.

SMART Unqualified Assistant (25) desires post in London or South; competent Dispenser, experienced Salesman; keen worker; good references. 64/13, Office of this Paper.

SOUTHERN Counties (London excluded).—Pharmacist (27), tall, at present managing branch shop in Midlands, with exceptional and varied experience gained in both company and private shops, desires permanent and progressive position of responsibility in a good-class Pharmacy. 63/9, Office of this Paper.

UNQUALIFIED Male (32), 5 ft. 8 in., excellent all duties, studying Optics, seeks position London area; Chemist-Optician preferred; free June 21. Irwin, 51 Alexandra Road, Wimbledon.

UNQUALIFIED Young Man seeks post as Manager of Drug Stores or Assistaut; all-round experience. Write 62/4, Office of this Paper.

UNQUALIFIED (20½), 5 ft. 11½ in., smart, seeks position in good-class Pharmacy; good all-round experience Dispensing and Counter; excellent Salesman; business ability. Balk, 2 Walton Crescent, Oxford.

## WHOLESALE.

AN Accomplished Medical Interviewer and skilled Propagandist, with wide experience and a unique knowledge of Medical Men, their requirements and susceptibilities, desires re-engagement. "Zealous," 21 Gloucester Place, Brighton.

AS Representative, young Qualified Man; Retail trained; connection Northern English Counties; salary, commission, expenses; good references. 63/34, Office of this Paper.

CHEMIST seeks responsible position; thorough knowledge of Pharmaceuticals and Cosmetics; many years' experience in all branches; good formulator; modern methods for large production of competitive goods. 63/44, Office of this Paper.

**REGISTRATION AS A PRIVATE LIMITED COMPANY AFFORDS EFFECTIVE SAFEGUARD TO YOU & DEPENDENTS!**
Write for particulars of the many advantages and our exceptionally **LOW "INCLUSIVE" FEES.**
**SATISFACTION GUARANTEED.**
**THOS. WATTS & WALKER LIMITED**
(Company Registration Agents)
**OXFORD CHAMBERS, 9 OXFORD ST., MANCHESTER, 1**
Telephone Central 6269.

KEEN Business-getter, 6 ft. 4 in., educated, single, wishes represent Druggists or Sundries house. Communicate "Atomic," 63/49, Office of this Paper.

LANCASHIRE, CHESHIRE AND NORTH WALES.—Traveller, residing in Liverpool, would be pleased to share petrol expenses with car owner working Chemists in above territory. C. H. Gunter, 22 Gibson Street, Prince's Park, Liverpool.

SALES Manager or General Manager, Pharmacist, experience both capacities, leading English, Continental and American firms; used to engage and control office and travelling staffs, planning complete propaganda campaigns, medical and lay; personal interviewing leading Wholesalers, Doctors and Retailers. 63/15, Office of this Paper.

WIDOW, disengaged, seeks work in any capacity in Factory; used to controlling female labour; experienced in Labelling, &c. M. B., 47 Lowden Road, S.E.24.

YOUNG MAN, Matriculated, seeks situation with Manufacturing Chemists; 7 years' Retail experience; capacity for intensive work and study. 56/2, Office of this Paper.

## FOR SALE.

(Articles to the value of £5-£50.)

NATIONAL Cash Register for sale; good working order; prints record; adds cash. Write R. Smith, 22 Brewery Road, Plumstead, S.E.18.

YEAST (Dried) for Sale; a limited quantity, in 20-lb. sealed tins; not bitter; specially prepared for medicinal purposes. For samples and prices apply Rayeast, Ltd., Cubley Brook, Penistone, Yorks.

## MISCELLANEOUS.

BIG Orders await Manufacturers of really first-quality Lipsticks, Nail Polishing Outfits, Beauty Creams, Face Powders; pack must be absolutely modern for highest class trade; no cheap lines required. If you are ready to submit full range of samples, we are ready to buy in big quantities at once. Write 243/717, Office of this Paper.

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate Glass Counters, Cash Tills, Display Stands and Glass Shelves, &c., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shop Fitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

FOR Chemist's Shop Fittings send to GEORGE COOK, The Working Shopfitter. Drug Fittings, Wall Cases, Serving Counters, Dispensing Screens, All-glass Counters, Counter Drawers. Rough sketches free. Lowest prices. Send your requirements to 27 Macclesfield Street, E.C.1. 'Phone: Clerkenwell 5371.

SHOPFITTINGS.—Second-hand, reconditioned and repolished. All sizes and shapes. Half to-day's prices. Sketches and full particulars on receipt of detailed requirements. Call or write, PHILIP JOSEPHS & SONS, LTD., 90/92 St. John Street, Clerkenwell, E.C.1. Telephone: Clerkenwell 2191. "Pharmacy Fitters for over a Century.

£9—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showroom a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool. Est. 1848.

## EXCHANGE COLUMN.

### FOR DISPOSAL.

(Articles up to the value of £5.)

12 ONLY.—Ronson Razors, new stock, 7s. 6d. each, cash with order. Osborne, Chemist, Guildford.

# CALVERTS Bonus Display Offer closes on 15th June, 1934

**● IMPROVED MODERN PACK**

*makes Calverts Tooth Powder easier and more economical to use, more attractive to display.*

There is no time to lose if you want to secure this *extra profit*. Send in your order now. The display bonus is offered on the 6d. size to retail chemists in the U.K. and Northern Ireland only.

**THREE ALTERNATIVE PROPOSITIONS:—**

A) *on orders of* 18 *dozen* 6*d. tins available direct or through wholesaler.*
B) *on orders of* 6 *dozen* 6*d. tins available direct or through wholesaler.*
C) *on orders of* 1 *dozen* 6*d. tins available through wholesaler only.*

**CONDITIONS:—**

1) *prominent display of box in window or on counter for two weeks at least.*
2) *strict maintenance of P.A.T.A. prices and terms.*
3) *order must be for immediate, not deferred, delivery.*

FULL PARTICULARS SENT ON REQUEST.

No offer is being made at present to exchange old stock for new pattern tins. Order now, through your usual wholesaler, or direct from F. C. Calvert & Co. Ltd., Gibbon St., Ashton New Rd., Manchester, 11.

**SPECIMEN ORDER**

6 dozen 6d. tins cost you . . . **£1.5.0**

(*free display bonus*—6 *tins*).

6½ dozen 6d. tins sell for . . . . **£1.19.0**

**SHOWING YOU A PROFIT OF . . 14.0**

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